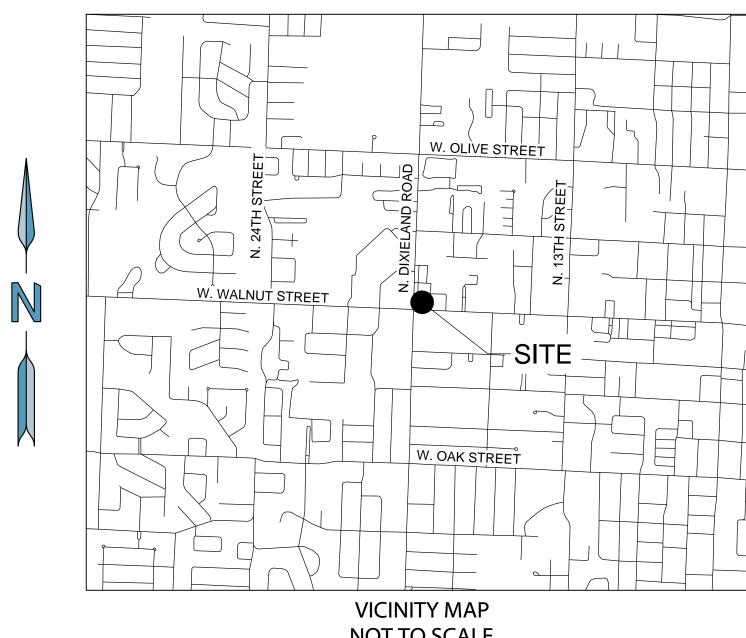
SITE DEVELOPMENT PLANS FOR:

CVS/pharmacy®

STORE NUMBER: 10816 1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 19 NORTH, RANGE 30 WEST, ZONED: C-2 (HIGHWAY COMMERCIAL DISTRICT)(ROGERS OVERLAY DISTRICT)

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NOT TO SCALE

SITE DISTURBED AREA = 1.97 AC.



Foresite Group, Inc. **o** | 972.939.7123 1999 Bryan Street **f** | 888.765.8135 Suite 890 Dallas, TX 75201 w | www.fg-inc.net

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ISSUED: NOVEMBER 13, 2015 163.257

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ROGERS, AR 72756 (479) 621-1156 CONTACT: MR. STEPHEN T. PONDER

SANITARY SEWER SERVICE PROVIDER

ROGERS WATER UTILITIES 601 SOUTH 2ND ST. ROGERS, AR 72756 (479) 621-1156 CONTACT: MR. STEPHEN PONDER

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GEOTECHNICAL ENGINEER

PROFESSIONAL SERVICE INDUSTRIES, INC. 4161 RIDGEMOOR AVENUE MEMPHIS, TN 38118 (901) 365-1802 **CONTACT: MR. MATTHEW DORSEY**

LOCAL ISSUING AUTHORITY

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DEPARTMENT OF TRANSPORTATION

ARKANSAS STATE HIGHWAY & TRANSPORTATION DEPARTMENT 4590 HIGHWAY 65 HARRISON, AR 72602 (870) 743-2100 CONTACT: MR. BOBBY KEETON

GAS SERVICE PROVIDER

SOURCEGAS 1255 N 13TH ST. ROGERS, AR 72757 (479) 877-0430 CONTACT: MR. KENNETH PETERS

TELEPHONE SERVICE PROVIDER

AT&T 1133 EAST HAROLD ST. FAYETTEVILLE, AR 72703 (479) 249-5194 CONTACT: MR. ANTHONY B. WILLIAMS



CHAMFER DRIVE-THRU STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: **NEW CONSTRUCTION**

CS PROJECT NUMBER: 073620



Foresite Group, Inc Dallas, TX 75201

o | 214.939.7123 **f** | 888.765.8135 w | www.fg-inc.net

FEE FOR SERVICE

CONSULTANT:



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SEAL: FORESITE GROUP, INC.

REVISIONS:

11/13/2015 JOB NUMBER: 163.257

SHEET NUMBER:

DRAWING BY:

G-1

COVER

GENERAL NOTES

- A. DESIGN DATA PROVIDED IN ELECTRONIC FORMAT IS FOR INFORMATION PURPOSES ONLY AND SHOULD BE USED AT YOUR OWN RISK, AND IS PROVIDED WITHOUT REPRESENTATIONS AND WARRANTIES. ANY CONFLICT BETWEEN THE INFORMATION REFLECTED ON THE LATEST REVISION OF THE SEALED PLAN SHEETS AND THAT PROVIDED VIA ELECTRONIC FORMAT SHALL BE
- RESOLVED IN FAVOR OF THE SEALED PLAN SHEETS. UTILITIES: THERE MAY BE ADDITIONAL EXISTING UTILITIES NOT SHOWN ON THESE PLANS. EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN, FIFLD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. NOTIFY THE OWNER AND ENGINEER IF DISCREPANCIES ARE FOUND THAT WILL AFFECT THE CONSTRUCTION PROJECT. PROTECT ALL
- TEMPORARY PROVISIONS: SEQUENCE THE WORK AND PROVIDE TEMPORARY MEASURES AS NEEDED TO MAINTAIN ACCESS TO THE SITE THROUGH ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION. TEMPORARY PROVISIONS MAY INCLUDE, BUT ARE NOT LIMITED TO: BARRICADES,
- FLASHING LIGHTS, FLAGMAN, TEMPORARY PAVEMENT, AND DIRECTIONAL SIGNAGE. D. EQUIPMENT STORAGE: DO NOT PARK EQUIPMENT OR STORE MATERIALS IN STATE, COUNTY, OR
- CITY RIGHT-OF-WAY. NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS IN THE FIELD AND THE SURVEY SHOWN ON THE PLANS BEFORE PROCEEDING WITH ANY NEW
- OBTAIN ALL REQUIRED CONSTRUCTION RELATED PERMITS, INCLUDING DEMOLITION PERMIT,
- BEFORE STARTING WORK. RETAIN COPIES OF ALL PERMITS AT THE PROJECT SITE AT ALL TIMES. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.
- H. SIGNS (LOCATION, NUMBER, AND SIZE) ARE NOT APPROVED UNDER THE GENERAL DEVELOPMENT PERMIT. A SEPARATE PERMIT IS REQUIRED FOR ONSITE SIGNAGE. NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE BEEN
- COMPLETED ON THE SITE. COMPLY WITH ALL APPLICABLE STATE, FEDERAL, AND LOCAL BUILDING AND UTILITY INSTALLATION CODES. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THESE
- PLANS AND SPECIFICATIONS UNLESS DEPARTMENT OF TRANSPORTATION STANDARDS OR LOCAL MUNICIPAL STANDARDS ARE MORE STRINGENT. K. DO NOT DEVIATE FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.
- WORK WITHIN D.O.T. RIGHT-OF-WAY 1. ALL PAVEMENT MARKINGS WITHIN D.O.T. RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH D.O.T. SPECIFICATIONS.
- 2. RE-ESTABLISH ALL RIGHT-OF-WAY AREA, WHICH IS DAMAGED OR DISTURBED, TO ORIGINAL CONDITION OR BETTER 3. ALL WORK IN D.O.T. RIGHT-OF-WAY SHALL COMPLY WITH D.O.T. SPECIFICATIONS.
- M. ARRANGE HIGH INTENSITY LIGHTING TO CONCEAL THE SOURCE OF LIGHT FROM PUBLIC VIEW AND PREVENT INTERFERENCE WITH TRAFFIC
- N. ENSURE CORRECT HORIZONTAL AND VERTICAL ALIGNMENT OF ALL TIES BETWEEN PROPOSED AND EXISTING PAVEMENTS, CURB AND GUTTER, SIDEWALKS, WALLS, AND UTILITIES BEFORE BEGINNING WORK. NOTIFY ENGINEER IF DISCREPANCIES EXIST.

- A. IF DRAWINGS DO NOT INDICATE SITE SPECIFIC TRAFFIC CONTROL MEASURES, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TEMPORARY TRAFFIC CONTROL PLAN IN ACCORDANCE
- WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. ALL TEMPORARY TRAFFIC CONTROL SIGNAGE AND MARKINGS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE MUTCD.
- . CONTACT PROPERTY OWNERS TO BE AFFECTED BY CONSTRUCTION AND COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING. MAINTAIN ACCESS FOR ALL PROPERTY
- CONTROL DUST AS NECESSARY TO PREVENT INTERFERENCE WITH TRAFFIC.
- INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.
- F. COORDINATE ALL LANE CLOSURES WITH THE LOCAL JURISDICTION HAVING AUTHORITY.

STRUCTURE & SITE DEMOLITION

- A. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING DEMOLITION
- B. VERIFY THAT HAZARDOUS MATERIALS HAVE BEEN REMEDIATED BEFORE PROCEEDING WITH
- BUILDING DEMOLITION OPERATIONS. ENVIRONMENTAL & GEOTECHNICAL: REVIEW ALL PROJECT ENVIRONMENTAL AND GEOTECHNICAL REPORTS AN BECOME FAMILIAR WITH ALL ISSUES BEFORE DEMOLITION.
- EXISTING UTILITIES: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITIES SERVING BUILDINGS AND STRUCTURES TO BE DEMOLISHED.
- ARRANGE TO SHUT OFF INDICATED UTILITIES WITH UTILITY COMPANIES. IF REMOVAL, RELOCATION, OR ABANDONMENT OF UTILITY SERVICES WILL AFFECT ADJACENT OCCUPIED BUILDINGS. THEN PROVIDE TEMPORARY UTILITIES THAT BYPASS BUILDINGS AND STRUCTURES TO BE DEMOLISHED AND THAT MAINTAIN CONTINUITY OF SERVICE TO OTHER BUILDINGS AND STRUCTURES.
- 3. DO NOT COMMENCE DEMOLITION OPERATIONS UNTIL TEMPORARY EROSION AND SEDIMENT CONTROL AND PLANT-PROTECTION MEASURES ARE IN PLACE.
- 4. OBTAIN THE DEMOLITION PERMIT FROM THE LOCAL AUTHORITY PRIOR TO STARTING DEMOLITION ACTIVITIES.
- 5. EXISTING FACILITIES: PROTECT ADJACENT WALKWAYS, LOADING DOCKS, BUILDING ENTRIES, AND OTHER BUILDING FACILITIES DURING DEMOLITION OPERATIONS. MAINTAIN EXITS FROM EXISTING BUILDINGS. PROMPTLY REPAIR ANY FACILITIES DAMAGED BY CONSTRUCTION OPERATIONS TO OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER 6. EXISTING UTILITIES: MAINTAIN UTILITY SERVICES TO REMAIN AND PROTECT FROM DAMAGE DURING DEMOLITION OPERATIONS.
- 7. TEMPORARY PROTECTION: ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES. RAILINGS. CANOPIES. AND COVERED PASSAGEWAYS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION AND AS INDICATED.
- 8. REMOVE TEMPORARY BARRIERS AND PROTECTIONS WHERE HAZARDS NO LONGER EXIST. WHERE OPEN EXCAVATIONS OR OTHER HAZARDOUS CONDITIONS REMAIN, LEAVE TEMPORARY BARRIERS AND PROTECTIONS IN PLACE.
- 9. REMOVE DEMOLITION WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION
- 10. DO NOT BURN DEMOLISHED MATERIALS UNLESS SPECIAL WRITTEN PERMISSION IS OBTAINED
- FROM OWNER AND ENGINEER.
- 11. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY BUILDING DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE BUILDING DEMOLITION OPERATIONS BEGAN

SITE CLEARING

- TRAFFIC: MINIMIZE INTERFERENCE WITH ADJOINING ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES DURING SITE-CLEARING OPERATIONS. B. ENVIRONMENTAL & GEOTECHNICAL: REVIEW ALL PROJECT ENVIRONMENTAL AND GEOTECHNICAL
- REPORTS AND BECOME FAMILIAR WITH ALL ISSUES BEFORE SITE CLEARING. C. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE SITE CLEARING.
- DO NOT COMMENCE SITE CLEARING OPERATIONS UNTIL TEMPORARY EROSION- AND SEDIMENTATION-CONTROL AND PLANT-PROTECTION MEASURES ARE IN PLACE.
- TEMPORARY EROSION AND SEDIMENTATION CONTROL PROVIDE TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS, ACCORDING TO EROSION- AND SEDIMENTATION-CONTROL DRAWINGS AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- VERIFY THAT FLOWS OF WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY DO NOT ENTER OR CROSS PROTECTION ZONES.
- INSPECT. MAINTAIN. AND REPAIR EROSION- AND SEDIMENTATION-CONTROL MEASURES DURING CONSTRUCTION UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. REMOVE EROSION AND SEDIMENTATION CONTROLS WHEN SITE IS STABILIZED AND RESTORE AND STABILIZE AREAS DISTURBED DURING REMOVAL.
- TRFF AND PLANT PROTECTION REPAIR OR REPLACE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR BE RELOCATED THAT ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER APPROVED BY ENGINEER.
- **EXISTING UTILITIES** LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP UTILITIES INDICATED TO BE REMOVED OR ABANDONED IN PLACE. ARRANGE WITH UTILITY COMPANIES TO SHUT OFF INDICATED UTILITIES. INTERRUPTING EXISTING UTILITIES: DO NOT INTERRUPT UTILITIES SERVING FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY UTILITY SERVICES ACCORDING TO REQUIREMENTS
- NOTIFY UTILITY OWNER NOT LESS THAN TWO DAYS IN ADVANCE OF PROPOSED UTILITY
- INTERRUPTIONS. 2. DO NOT PROCEED WITH UTILITY INTERRUPTIONS WITHOUT UTILITY OWNER'S WRITTEN PERMISSION
- C. POTHOLE EXISTING WATER LINES, UNDERGROUND ELECTRICAL LINES, GAS LINES, UNDERGROUND TELEPHONE LINES, FIBER OPTIC, AND ANY OTHER EXISTING UTILITY LINES WITHIN THE PROJECT LIMITS DURING SITE CLEARING AND DEMOLITION ACTIVITIES. SURVEY THE EXISTING LITH ITY ELEVATIONS AND PROVIDE THE SURVEYED FIELD LOCATIONS AND DEPTHS TO THE ENGINEER FOR
- CLEARING AND GRUBBING REMOVE OBSTRUCTIONS, CONCRETE, ASPHALT, TREES, SHRUBS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.
- 1. DO NOT REMOVE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN OR TO BE 2. GRIND DOWN STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS TO A DEPTH OF 12
- INCHES BELOW EXPOSED SUBGRADE. 3. USE ONLY HAND METHODS FOR GRUBBING WITHIN PROTECTION ZONES.
- THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING CLEARING AND GRUBBING ACTIVITIES.
- TOPSOIL STRIPPING REMOVE SOD AND GRASS BEFORE STRIPPING TOPSOIL

REVIEW. THESE EXISTING UTILITIES MAY REQUIRE RELOCATION.

- STRIP TOPSOIL IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS. STOCKPILE TOPSOIL AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL.
- GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST AND EROSION BY WATER.
- D. DISPOSE OF SURPLUS TOPSOIL. SURPLUS TOPSOIL IS THAT WHICH EXCEEDS QUANTITY INDICATED TO BE STOCKPILED OR REUSED

SITE WATER DISTRIBUTION

A. REGULATORY REQUIREMENTS:

- 1. COMPLY WITH REQUIREMENTS OF UTILITY COMPANY SUPPLYING WATER. INCLUDE TAPPING OF WATER MAINS AND BACKFLOW PREVENTION. 2. COMPLY WITH STANDARDS OF AUTHORITIES HAVING JURISDICTION FOR
- POTABLE-WATER-SERVICE PIPING, INCLUDING MATERIALS, INSTALLATION, TESTING, AND DISINFECTION. B. PIPING MATERIALS SHALL BEAR LABEL, STAMP, OR OTHER MARKINGS OF SPECIFIED TESTING AGENCY.
- . INTERRUPTION OF EXISTING WATER-DISTRIBUTION SERVICE: NOTIFY OWNER AT LEAST 2 DAYS PRIOR TO INTERRUPTION OF EXISTING WATER SERVICES.
- COORDINATE WITH UTILITY COMPANY FOR REQUIRED INSPECTIONS AND FOR CONNECTION OF WATER MAIN AND SERVICES BEFORE STARTING CONSTRUCTION. COPPER TUBE AND FITTING
- SOFT COPPER TUBE: ASTM B 88, TYPE K, WATER TUBE, ANNEALED TEMPER.
- B. COPPER, PRESSURE-SEAL FITTINGS: NPS 2 AND SMALLER: WROUGHT-COPPER FITTING WITH EPDM O-RING SEAL IN EACH END. NPS 2-1/2 TO NPS 4: BRONZE FITTING WITH STAINLESS-STEEL GRIP RING AND EPDM O-RING
- BRONZE FLANGES: ASME B16.24, CLASS 150, WITH SOLDER-JOINT END. FURNISH CLASS 300 FLANGES IF REQUIRED TO MATCH PIPING. D. COPPER UNIONS: MSS SP-123. CAST-COPPER-ALLOY, HEXAGONAL-STOCK BODY WITH
- BALL-AND-SOCKET, METAL-TO-METAL SEATING SURFACES, AND SOLDER-JOINT OR THREADED) DUCTILE-IRON PIPE AND FITTINGS MECHANICAL-JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH MECHANICAL-JOINT BELL AND PLAIN
- SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN. 2. GLANDS, GASKETS, AND BOLTS: AWWA C111, DUCTILE- OR GRAY-IRON GLANDS, RUBBER
- GASKETS, AND STEEL BOLTS. B. PUSH-ON-JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH PUSH-ON-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED. C. FLANGES: ASME 16.1, CLASS 125, CAST IRON.
- PVC PIPE AND FITTINGS PVC, SCHEDULE 40 PIPE: ASTM D 1785. PVC, SCHEDULE 40 SOCKET FITTINGS: ASTM D 2466.
- PVC, AWWA PIPE: AWWA C900, CLASS 200, WITH BELL END WITH GASKET, AND WITH SPIGOT END. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
- AWWA, CAST-IRON GATE VALVES: NONRISING-STEM, RESILIENT-SEATED GATE VALVES: GRAY- OR DUCTILE-IRON BODY AND BONNET; WITH BRONZE OR GRAY- OR DUCTILE-IRON GATE, RESILIENT SEATS, BRONZE STEM, AND STEM NUT.
- STANDARD: AWWA C509. MINIMUM PRESSURE RATING: 250 PSIG.
- END CONNECTIONS: MECHANICAL JOINT. 4. INTERIOR COATING: COMPLYING WITH AWWA C550
- GATE VALVE ACCESSORIES AND SPECIALTIES
- TAPPING-SLEEVE ASSEMBLIES: SLEEVE AND VALVE COMPATIBLE WITH DRILLING MACHINE STANDARD: MSS SP-60. TAPPING SLEEVE: CAST- OR DUCTILE-IRON OR STAINLESS-STEEL, TWO-PIECE BOLTED SLEEVE WITH FLANGED OUTLET FOR NEW BRANCH CONNECTION. INCLUDE SLEEVE
- MATCHING SIZE AND TYPE OF PIPE MATERIAL BEING TAPPED AND WITH RECESSED FLANGE FOR BRANCH VALVE. 3. VALVE: AWWA, CAST-IRON, NONRISING-STEM, RESILIENT-SEATED GATE VALVE WITH ONE
- RAISED FACE FLANGE MATING TAPPING-SLEEVE FLANGE. B. VALVE BOXES: COMPLY WITH AWWA M44 FOR CAST-IRON VALVE BOXES. INCLUDE TOP SECTION, ADJUSTABLE EXTENSION OF LENGTH REQUIRED FOR DEPTH OF BURIAL OF VALVE, PLUG WITH LETTERING "WATER." AND BOTTOM SECTION WITH BASE THAT FITS OVER VALVE AND WITH A BARREL APPROXIMATELY 5 INCHES IN DIAMETER.
- DOUBLE-CHECK, DETECTOR-ASSEMBLY BACKFLOW PREVENTERS:
- STANDARDS: ASSE 1048 AND UL LISTED OR FMG APPROVED. OPERATION: CONTINUOUS-PRESSURE APPLICATIONS.
- PRESSURE LOSS: 5 PSIG MAXIMUM, THROUGH MIDDLE 1/3 OF FLOW RANGE. 4. BODY: CAST IRON WITH INTERIOR LINING COMPLYING WITH AWWA C550 OR THAT IS FDA
- APPROVED. END CONNECTIONS: FLANGED. CONFIGURATION: DESIGNED FOR HORIZONTAL, STRAIGHT THROUGH FLOW.
- DESCRIPTION: CAST-IRON BODY AND COVER FOR DISC-TYPE WATER METER, WITH LETTERING WATER METER" IN COVER: AND WITH SLOTTED, OPEN-BOTTOM BASE SECTION OF LENGTH TO FIT
- OVER SERVICE PIPING. DESCRIPTION: PRECAST, REINFORCED-CONCRETE VAULT, DESIGNED FOR A-16 LOAD
- DESIGNATION ACCORDING TO ASTM C 857 AND MADE ACCORDING TO ASTM C 858. LADDER: ASTM A 36/A 36M, STEEL OR POLYETHYLENE-ENCASED STEEL STEPS. MANHOLE: ASTM A 48/A 48M CLASS NO. 35A MINIMUM TENSILE STRENGTH, GRAY-IRON
- a. DIMENSION: 24-INCH MINIMUM DIAMETER, UNLESS OTHERWISE INDICATED. DRAIN: ASME A112.6.3, CAST-IRON FLOOR DRAIN WITH OUTLET OF SIZE INDICATED. INCLUDE BODY ANCHOR FLANGE, LIGHT-DUTY CAST-IRON GRATE, BOTTOM OUTLET, AND INTEGRAL OR FIELD-INSTALLED BRONZE BALL OR CLAPPER-TYPE BACKWATER VALVE. FIRE HYDRANTS
- DRY-BARREL FIRE HYDRANTS: FREESTANDING, WITH ONE NPS 4-1/2 AND TWO NPS 2-1/2 OUTLETS. 5-1/4-INCH MAIN VALVE, DRAIN VALVE, AND NPS 6 MECHANICAL-JOINT INLET. INCLUDE INTERIOR COATING ACCORDING TO AWWA C550. HYDRANT SHALL HAVE CAST-IRON BODY. COMPRESSION-TYPE VALVE OPENING AGAINST PRESSURE AND CLOSING WITH PRESSURE. 1. STANDARD: AWWA C502.
- PRESSURE RATING: 250 PSIG 11.) FIRE DEPARTMENT CONNECTIONS
- FIRE DEPARTMENT CONNECTIONS: FREESTANDING, WITH CAST-BRONZE BODY, THREAD INLETS ACCORDING TO NFPA 1963 AND MATCHING LOCAL FIRE DEPARTMENT HOSE THREADS, AND THREADED BOTTOM OUTLET. INCLUDE LUGGED CAPS, GASKETS, AND CHAINS; LUGGED SWIVEL CONNECTION AND DROP CLAPPER FOR EACH HOSE-CONNECTION INLET: 18-INCH- HIGH BRASS SLEEVE; AND ROUND ESCUTCHEON PLATE.
- 12.) VALVE APPLICATIONS DRAWINGS INDICATE VALVE TYPES TO BE USED. WHERE SPECIFIC VALVE TYPES ARE NOT
- INDICATED, THE FOLLOWING REQUIREMENTS APPLY: 1. UNDERGROUND VALVES, NPS 3 AND LARGER: AWWA, CAST-IRON, NONRISING-STEM, RESILIENT-SEATED GATE VALVES WITH VALVE BOX.
- 2. USE THE FOLLOWING FOR VALVES IN VAULTS AND ABOVEGROUND:
- a. GATE VALVES, NPS 2 AND SMALLER: BRONZE, NONRISING STEM. b. GATE VALVES, NPS 3 AND LARGER: AWWA, CAST IRON, OS&Y RISING STEM, RESILIENT
- c. CHECK VALVES: AWWA C508, SWING TYPE. 13.) FIELD QUALITY CONTROL
- PIPING TESTS: CONDUCT PIPING TESTS BEFORE JOINTS ARE COVERED AND AFTER CONCRETE THRUST BLOCKS HAVE HARDENED SUFFICIENTLY. FILL PIPELINE 24 HOURS BEFORE TESTING AND APPLY TEST PRESSURE TO STABILIZE SYSTEM. USE ONLY POTABLE WATER. HYDROSTATIC TESTS: TEST AT NOT LESS THAN ONE-AND-ONE-HALF TIMES WORKING PRESSURE
- FOR TWO HOURS. INCREASE PRESSURE IN 50-PSIG INCREMENTS AND INSPECT EACH JOINT BETWEEN INCREMENTS. HOLD AT TEST PRESSURE FOR 1 HOUR; DECREASE TO 0 PSIG. SLOWLY INCREASE AGAIN TO TEST PRESSURE AND HOLD FOR 1 MORE HOUR. MAXIMUM ALLOWABLE LEAKAGE IS 2 QUARTS PER HOUR PER 100 JOINTS. REMAKE LEAKING JOINTS WITH NEW MATERIALS AND REPEAT TEST UNTIL LEAKAGE IS WITHIN ALLOWED LIMITS.
- DISINFECTION: CLEAN AND DISINFECT POTABLE WATER MAINS AS DIRECTED BY THE LOCAL AUTHORITY, OR, IF METHOD IS NOT PRESCRIBED BY THE LOCAL AUTHORITY, USE PROCEDURE DESCRIBED IN AWWA C651.
- PREPARE REPORTS OF TESTING ACTIVITIES AND SUBMIT TO THE ENGINEER FOR APPROVAL.
- INSTALL CONTINUOUS UNDERGROUND DETECTABLE WARNING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND WATER-DISTRIBUTION PIPING. LOCATE BELOW FINISHED GRADE, DIRECTLY OVER PIPING.

SITE SANITARY SEWERS

- A. INTERRUPTION OF EXISTING SANITARY SEWERAGE SERVICE: COORDINATE AS REQUIRED WITH THE LOCAL SANITARY SEWER AUTHORITY BEFORE STARTING CONSTRUCTION. B. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE BEGINNING SANITARY SEWER INSTALLATION OPERATIONS. FIELD VERIFY ALL
 - EXISTING UTILITIES SHOWN ON THE DRAWINGS BY POT-HOLING THE LINES. SURVEY EXISTING UTILITIES AND PROVIDE HORIZONTAL AND VERTICAL LOCATION INFORMATION TO THE ENGINEER TO DETERMINE OF ANY UTILITIES WILL CONFLICT WITH THE PROPOSED DESIGN.
- DUCTILE-IRON, GRAVITY SEWER PIPE AND FITTINGS PIPE: ASTM A 746, FOR PUSH-ON JOINTS COMPACT FITTINGS: AWWA C153, DUCTILE IRON, FOR PUSH-ON JOINTS.
- GASKETS: AWWA C111, RUBBER.
- PVC PIPE AND FITTINGS PVC GRAVITY SEWER PIPING: ASTM F 679, T-1 WALL THICKNESS, PVC GRAVITY SEWER PIPE WITH BELL-AND-SPIGOT ENDS AND WITH INTEGRAL ASTM F 477, ELASTOMERIC SEALS FOR GASKETED
- CI EANOUTS
- CAST-IRON CLEANOUTS: DESCRIPTION: ASME A112.36.2M, ROUND, GRAY-IRON HOUSING WITH CLAMPING DEVICE AND ROUND, SECURED, SCORIATED, GRAY-IRON COVER. INCLUDE GRAY-IRON FERRULE WITH INSIDE CALK OR SPIGOT CONNECTION AND COUNTERSUNK, TAPERED-THREAD, BRASS
- CLOSURE PLUG. TOP-LOADING CLASSIFICATION: TRAFFIC RATED, HEAVY DUTY, IN ALL PAVED AREAS AND
- AREAS SUBJECT TO VEHICULAR TRAFFIC. SEWER PIPE FITTING AND RISER TO CLEANOUT: ASTM A 74, SERVICE CLASS, CAST-IRON SOIL PIPE AND FITTINGS.
- B. PVC CLEANOUTS: PVC BODY WITH PVC THREADED PLUG. INCLUDE PVC SEWER PIPE FITTING AND RISER TO CLEANOUT OF SAME MATERIAL AS SEWER PIPING. USE IN LIGHT DUTY APPLICATIONS WHERE THERE IS PEDESTRIAN TRAFFIC ONLY OR IN LANDSCAPED AREAS. 5.) MANHOLES
- STANDARD PRECAST CONCRETE MANHOLES: DESCRIPTION: ASTM C 478, PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH
- PROVISION FOR SEALANT JOINTS. 2. DIAMETER: 48 INCHES MINIMUM UNLESS OTHERWISE INDICATED 3. BALLAST: INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS OR ADD CONCRETE TO
- BASE SECTION, AS REQUIRED TO PREVENT FLOTATION 4. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM
- THICKNESS FOR WALLS AND BASE RISER SECTION: WITH SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR RISER SECTIONS: 4-INCH MINIMUM THICKNESS, OF LENGTH TO PROVIDE DEPTH INDICATED.
- TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED; WITH TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS. JOINT SEALANT: ASTM C 990 , BITUMEN OR BUTYL RUBBER.
- RESILIENT PIPE CONNECTORS: ASTM C 923 , CAST OR FITTED INTO MANHOLE WALLS, FOR EACH PIPE CONNECTION. 9. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER; WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST
- OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF MANHOLE TO FINISHED GRADE IS LESS THAN 48 INCHES. 10. ADJUSTING RINGS: INTERLOCKING HDPE RINGS, WITH LEVEL OR SLOPED EDGE IN THICKNESS AND DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO
- ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE. INCLUDE SEALANT RECOMMENDED BY RING MANUFACTURER. 11. GRADE RINGS: REINFORCED-CONCRETE RINGS, 6- TO 9-INCH TOTAL THICKNESS, WITH
- DIAMETER MATCHING MANHOLE FRAME AND COVER, AND WITH HEIGHT AS REQUIRED TO ADJUST MANHOLE FRAME AND COVER TO INDICATED ELEVATION AND SLOPE. MANHOLE FRAMES AND COVERS:
- DESCRIPTION: FERROUS; 24-INCH ID BY 7- TO 9-INCH RISER, WITH 4-INCH- MINIMUM-WIDTH FLANGE AND 26-INCH- DIAMETER COVER. INCLUDE INDENTED TOP DESIGN WITH LETTERING CAST INTO COVER, USING WORDING EQUIVALENT TO "SANITARY SEWER."
- 2. MATERIAL: ASTM A 536, GRADE 60-40-18 DUCTILE IRON UNLESS OTHERWISE INDICATED
- A. ARRANGE FOR INSTALLATION OF GREEN WARNING TAPES DIRECTLY OVER PIPING AND AT OUTSIDE EDGES OF UNDERGROUND MANHOLES.
- 1. USE WARNING TAPE OR DETECTABLE WARNING TAPE OVER FERROUS PIPING 2. USE DETECTABLE WARNING TAPE OVER NONFERROUS PIPING AND OVER EDGES OF UNDERGROUND MANHOLES. 7.) FIELD QUALITY CONTROL
- A. INSPECT INTERIOR OF PIPING TO DETERMINE WHETHER LINE DISPLACEMENT OR OTHER DAMAGE HAS OCCURRED. INSPECT AFTER APPROXIMATELY 24 INCHES OF BACKFILL IS IN PLACE, AND AGAIN AT COMPLETION OF PROJECT.
- 1. DEFECTS REQUIRING CORRECTION INCLUDE THE FOLLOWING a. ALIGNMENT: LESS THAN FULL DIAMETER OF INSIDE OF PIPE IS VISIBLE BETWEEN
- b. DEFLECTION: FLEXIBLE PIPING WITH DEFLECTION THAT PREVENTS PASSAGE OF BALL OR CYLINDER OF SIZE NOT LESS THAN 92.5 PERCENT OF PIPING DIAMETER. DAMAGE: CRUSHED, BROKEN, CRACKED, OR OTHERWISE DAMAGED PIPING.
- INFILTRATION: WATER LEAKAGE INTO PIPING. EXFILTRATION: WATER LEAKAGE FROM OR AROUND PIPING REPLACE DEFECTIVE PIPING USING NEW MATERIALS, AND REPEAT INSPECTIONS UNTIL
- DEFECTS ARE WITHIN ALLOWANCES SPECIFIED. REINSPECT AND REPEAT PROCEDURE UNTIL RESULTS ARE SATISFACTORY B. TEST NEW PIPING SYSTEMS, AND PARTS OF EXISTING SYSTEMS THAT HAVE BEEN ALTERED, EXTENDED. OR REPAIRED. FOR LEAKS AND DEFECTS.
- DO NOT ENCLOSE, COVER, OR PUT INTO SERVICE BEFORE INSPECTION AND APPROVAL. 2. TEST COMPLETED PIPING SYSTEMS ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING
- SCHEDULE TESTS AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION WITH AT LEAST 24 HOURS ADVANCE NOTICE. 4. SUBMIT A SEPARATE REPORT FOR EACH TEST TO THE ENGINEER FOR APPROVAL.
- AIR TESTS: TEST SANITARY SEWERAGE ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION, UNI-B-6, AND THE FOLLOWING: a. TEST PLASTIC GRAVITY SEWER PIPING ACCORDING TO ASTM F 1417. MANHOLES: PERFORM HYDRAULIC TEST ACCORDING TO ASTM C 969
- LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. REPLACE LEAKING PIPING USING NEW MATERIALS, AND REPEAT TESTING UNTIL LEAKAGE IS WITHIN ALLOWANCES SPECIFIED.

- SITE STORM UTILITY DRAINAGE PIPING
- ALL STORMWATER PIPE, INLETS, HEADWALLS, AND RELATED APPURTENANCES SHALL MEET LOCAL D.O.T. STANDARDS. B. ALL STORMWATER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURERS
- INSTRUCTIONS. STEEL PIPE AND FITTINGS
- CORRUGATED-STEEL PIPE AND FITTINGS: ASTM A 760/A 760M, TYPE I WITH FITTINGS OF SIMILAR FORM AND CONSTRUCTION AS PIPE. STANDARD-JOINT BANDS: CORRUGATED STEEL
- 2. COATING: ALUMINUM OR BITUMINOUS PE PIPE AND FITTINGS
- CORRUGATED PE DRAINAGE PIPE AND FITTINGS NPS 3 TO NPS 10 : AASHTO M 252M: NPS 12 TO
- NPS 48: AASHTO M 294M TYPE S, WITH SMOOTH WATERWAY FOR COUPLING JOINTS. SILTTIGHT COUPLINGS: PE SLEEVE WITH ASTM D 1056, TYPE 2, CLASS A, GRADE 2 GASKET MATERIAL THAT MATES WITH TUBE AND FITTINGS.
- PVC CORRUGATED PIPE AND FITTINGS CORRUGATED PVC DRAINAGE PIPE AND FITTINGS NPS 4 TO NPS 36: SMOOTH INTERIOR. ASTM F949. 46 PSI STIFFNESS WHEN TESTED IN ACCORDANCE WITH ASTM D2412. PVC COMPOUND HAVING A MINIMUM CELL CLASSIFICATION OF 12454 AS DEFINED IN ASTM D1784. FITTINGS: SMOOTH INTERIOR, ASTM F949, SECTION 5.2.3 OR F794, SECTION 7.2.4. JOINTS SHALL BE MADE WITH INTEGRALLY-FORMED BELL AND SPIGOT GASKETED CONNECTIONS. MANUFACTURER SHALL PROVIDE DOCUMENTATION SHOWING NO LEAKAGE WHEN GASKETED PIPE JOINTS ARE TESTED IN ACCORDANCE WITH ASTM D3212. ELASTOMERIC SEALS (GASKETS) SHALL MEET ASTM F477.
- CONCRETE PIPE AND FITTINGS REINFORCED-CONCRETE SEWER PIPE AND FITTINGS: ASTM C 76 . BELL-AND-SPIGOT OR TONGUE-AND-GROOVE ENDS AND GASKETED JOINTS WITH ASTM C 443, RUBBER GASKETS OR SEALANT JOINTS WITH ASTM C 990 , BITUMEN OR BUTYL-RUBBER SEALANT. CLASS III, WALL B.
- CAST-IRON AREA DRAINS: ASME A112.6.3 GRAY-IRON ROUND BODY WITH ANCHOR FLANGE AND ROUND GRATE. INCLUDE BOTTOM OUTLET WITH INSIDE CALK OR SPIGOT CONNECTION, OF SIZES INDICATED.
- STANDARD PRECAST CONCRETE MANHOLES: DESCRIPTION: ASTM C 478, PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.
- DIAMETER: 48 INCHES MINIMUM UNLESS OTHERWISE INDICATED. BALLAST: INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS OR ADD CONCRETE TO BASE SECTION AS REQUIRED TO PREVENT FLOTATION.
- 4. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION, AND SEPARATE BASE SLAB OR BASE SECTION WITH INTEGRAL FLOOR.
- RISER SECTIONS: 4-INCH MINIMUM THICKNESS, AND LENGTHS TO PROVIDE DEPTH INDICATED. 6. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED, AND TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS. JOINT SEALANT: ASTM C 990, BITUMEN OR BUTYL RUBBER.
- STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL DEPTH FROM FLOOR OF MANHOLE TO FINISHED GRADE IS LESS THAN 48 INCHES.
- MANHOLE FRAMES AND COVERS: DESCRIPTION: FERROUS; 24-INCH ID BY 7- TO 9-INCH RISER WITH 4-INCH- MINIMUM WIDTH FLANGE AND 26-INCH- DIAMETER COVER. INCLUDE INDENTED TOP DESIGN WITH LETTERING CAST INTO COVER, USING WORDING EQUIVALENT TO "STORM SEWER."
- MATERIAL: ASTM A 536, GRADE 60-40-18 DUCTILE IRON UNLESS OTHERWISE INDICATED. **INLET & JUNCTION BOXES** STANDARD PRECAST CONCRETE: DESCRIPTION: ASTM C 478, PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH
- PROVISION FOR SEALANT JOINTS. 2. BASE SECTION: 6-INCH MINIMUM THICKNESS FOR FLOOR SLAB AND 4-INCH MINIMUM THICKNESS FOR WALLS AND BASE RISER SECTION, AND SEPARATE BASE SLAB OR BASE
- SECTION WITH INTEGRAL FLOOR. 3. RISER SECTIONS: 4-INCH MINIMUM THICKNESS, 48-INCH DIAMETER, AND LENGTHS TO
- 4. TOP SECTION: ECCENTRIC-CONE TYPE UNLESS CONCENTRIC-CONE OR FLAT-SLAB-TOP TYPE IS INDICATED. TOP OF CONE OF SIZE THAT MATCHES GRADE RINGS.

DEPTH FROM FLOOR OF CATCH BASIN TO FINISHED GRADE IS LESS THAN 48 INCHES.

- 5. JOINT SEALANT: ASTM C 990 , BITUMEN OR BUTYL RUBBER. 6. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL
- PIPE CONNECTORS: ASTM C 923 , RESILIENT, OF SIZE REQUIRED, FOR EACH PIPE CONNECTING TO BASE SECTION. STORMWATER DETENTION STRUCTURES
- A. CAST-IN-PLACE CONCRETE, STORMWATER DETENTION STRUCTURES: CONSTRUCTED OF REINFORCED-CONCRETE BOTTOM, WALLS, AND TOP; DESIGNED ACCORDING TO ASTM C 890 FOR A-16 (AASHTO HS20-44), HEAVY-TRAFFIC, STRUCTURAL LOADING; OF DEPTH, SHAPE, DIMENSIONS,
- AND APPURTENANCES INDICATED. 1. BALLAST: INCREASE THICKNESS OF CONCRETE AS REQUIRED TO PREVENT FLOTATION. GRADE RINGS: INCLUDE TWO OR THREE REINFORCED-CONCRETE RINGS, OF 6- TO 9-INCH
- TOTAL THICKNESS, THAT MATCH 24-INCH- DIAMETER FRAME AND COVER. 3. STEPS: INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF STEP. CAST OR ANCHOR STEPS INTO SIDEWALLS AT 12- TO 16-INCH INTERVALS. OMIT STEPS IF TOTAL
- DEPTH FROM FLOOR OF STRUCTURE TO FINISHED GRADE IS LESS THAN 48 INCHES. 4. FORM AND CAST WIERS AND PIPE OPENINGS AS INDICATED ON DRAWINGS. MANHOLE FRAMES AND COVERS: ASTM A 536, GRADE 60-40-18, DUCTILE-IRON CASTINGS DESIGNED FOR HEAVY-DUTY SERVICE.
- PRE-CAST HEAD WALLS: PRE-CAST REINFORCED CONCRETE, WITH APRON AND TAPERED SIDES. SLOPE PAVED HEAD WALLS: CAST-IN-PLACE REINFORCED CONCRETE AS SHOWN ON DRAWINGS. RIPRAP BASINS: BROKEN IRREGULARLY SIZED AND SHAPED GRADED STONE ACCORDING TO NSSGA'S "QUARRIED STONE FOR EROSION AND SEDIMENT CONTROL." MINIMUM STONE SIZE AND
- DIMENSIONS AS SHOWN ON DRAWINGS. PIPING INSTALLATION INSTALL LOCATOR WIRE OR TAPE 6-INCHES ABOVE ALL NON-METALLIC PIPING. INSTALL BEDDING AND BACKFILL IN ACCORDANCE WITH PIPE MANUFACTURERS INSTRUCTIONS. BEGIN INSTALLATION AT DOWNSTREAM PIPING CONNECTION TO OUTFALL POINT.
- CONSTRUCT ALL HEADWALLS FLUSH WITH EXISTING AND PROPOSED EMBANKMENT SLOPES. A. CLEAN INTERIOR OF PIPING OF DIRT AND SUPERFLUOUS MATERIALS.\



STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION

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CS PROJECT NUMBER: 073620



Foresite Group, Inc 1999 Bryan St. Suite 890

Dallas, TX 75201

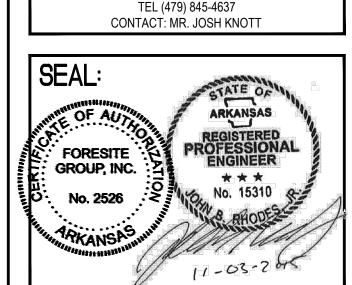
CONSULTANT:



BOOS DEVELOPMENT GROUP, INC.

1120 S. WALTON BOULEVARD, SUITE 142

BENTONVILLE, AR 72712



REVISIONS:

DATE: JOB NUMBER:

11/13/2015

163.257

SHEET NUMBER:

DRAWING BY:

TITLE:

COMMENTS:

EARTH MOVING

- A. UTILITY LOCATOR SERVICE: NOTIFY UTILITY LOCATOR SERVICE FOR AREA WHERE PROJECT IS LOCATED BEFORE BEGINNING EARTH MOVING OPERATIONS.
- SEDIMENTATION-CONTROL MEASURES, ARE IN PLACE. C. DO NOT COMMENCE EARTH MOVING OPERATIONS UNTIL PLANT-PROTECTION MEASURES ARE IN

B. DO NOT COMMENCE EARTH MOVING OPERATIONS UNTIL TEMPORARY EROSION- AND

- D. DO NOT COMMENCE EARTH MOVING OPERATIONS WITHOUT REVIEWING AND MAKING PROVISIONS
- FOR ALL GEOTECHNICAL RECOMMENDATIONS MADE IN THE PROJECT GEOTECHNICAL REPORT. COMPLY WITH RECOMMENDATIONS IN THE GEOTECHNICAL REPORT REGARDING GENERAL SITE PREPARATION, BUILDING PAD PREPARATION, PAVEMENT SECTIONS, FILL, AND EXCAVATION. RETAIN A COPY OF THE PROJECT GEOTECHNICAL REPORT AT THE WORK SITE AT ALL TIMES. ANY DISCREPANCIES BETWEEN THESE SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT SHALL BE RESOLVED IN FAVOR OF THE PROJECT GEOTECHNICAL REPORT
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTH MOVING OPERATIONS.
- G. PROTECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS DURING EARTH MOVING
- PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA. PROTECT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE BY RAIN OR WATER ACCUMULATION.
- DESIGN AND PROVIDE DEWATERING SYSTEM USING ACCEPTED AND PROFESSIONAL METHODS CONSISTENT WITH CURRENT INDUSTRY PRACTICE. PROVIDE DEWATERING SYSTEM OF SUFFICIENT SIZE AND CAPACITY TO CONTROL GROUNDWATER IN A MANNER THAT PRESERVES STRENGTH OF FOUNDATION SOILS, DOES NOT CAUSE INSTABILITY OR RAVELING OF EXCAVATION SLOPES, AND DOES NOT RESULT IN DAMAGE TO EXISTING STRUCTURES, LOWER WATER LEVEL IN ADVANCE OF EXCAVATION BY UTILIZING WELLS, WELLPOINTS, OR SIMILAR POSITIVE CONTROL METHODS. MAINTAIN THE GROUNDWATER LEVEL TO A MINIMUM OF TWO (2) FEET BELOW EXCAVATIONS. PROVIDE PIEZOMETERS AS DIRECTED BY THE ENGINEER TO DOCUMENT THAT THE GROUNDWATER LEVEL IS BEING MAINTAINED.
- D. BY ACCEPTABLE MEANS, CONTRACTOR SHALL CONTROL ALL WATER REGARDLESS OF SOURCE AND IS RESPONSIBLE FOR PROPER DISPOSAL OF THE WATER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY SUPPLEMENTAL MEASURES TO CONTROL SEEPAGE, GROUNDWATER, OR
- OPEN PUMPING WITH SUMPS AND DITCHES SHALL BE ALLOWED, PROVIDED IT DOES NOT RESULT IN BOILS, LOSS OF FINES, SOFTENING OF THE GROUND, OR INSTABILITY OF SLOPES. SUMPS SHALL BE LOCATED OUTSIDE OF LOAD BEARING AREAS SO THE BEARING SURFACES WILL NOT BE DISTURBED. WATER CONTAINING SILT IN SUSPENSION SHALL NOT BE PUMPED INTO SEWER LINES OR ADJACENT WATER BODIES, DURING NORMAL PUMPING AND UPON DEVELOPMENT OF WELL(S). LEVELS OF FINE SAND OR SILT IN THE DISCHARGE OF WATER SHALL NOT EXCEED FIVE (5) PPM.
- CONTINUOUSLY MAINTAIN EXCAVATIONS IN A DRY CONDITION WITH POSITIVE DEWATERING METHODS DURING PREPARATION OF SUBGRADE, INSTALLATION OF PIPE, AND CONSTRUCTION OF STRUCTURES UNTIL THE CRITICAL PERIOD OF CONSTRUCTION AND/OR BACKFILL IS COMPLETED TO PREVENT DAMAGE OF SUBGRADE SUPPORT, PIPING, STRUCTURE, SIDE SLOPES, OR ADJACENT FACILITIES FOR FLOTATION OR OTHER HYDROSTATIC PRESSURE IMBALANCE.
- WHEN CONSTRUCTION IS COMPLETE, PROPERLY REMOVE ALL DEWATERING EQUIPMENT FROM THE SITE, INCLUDING WELLS AND RELATED TEMPORARY ELECTRICAL SERVICE.
- . NOTIFY PROJECT GEOTECHNICAL ENGINEER WHEN EXCAVATIONS HAVE REACHED REQUIRED
- B. IF PROJECT GEOTECHNICAL ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, CONTINUE EXCAVATION AND REPLACE WITH COMPACTED BACKFILL OR FILL MATERIAL AS PROOF-ROLL SUBGRADE BELOW THE BUILDING SLABS AND PAVEMENTS WITH A PNEUMATIC-TIRED
- AND LOADED 10-WHEEL, TANDEM-AXLE DUMP TRUCK WEIGHING NOT LESS THAN 15 TONS TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF-ROLL WET OR SATURATED SUBGRADES. EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS, AND AREAS OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY PROJECT GEOTECHNICAL ENGINEER, AND REPLACE WITH COMPACTED BACKFILL OR FILL AS DIRECTED.
- IN HEAVY DUTY PAVEMENT AREAS, THE GRAVEL AGGREGATE BASE SHALL BE EXTENDED UNDER THE CURB AND GUTTER SECTION TO PROVIDE ADDITIONAL STABILITY FOR TRUCK TRAVEL. UTILITY TRENCH BEDDING AND BACKFILL
- PLACE AND COMPACT BEDDING COURSE ON TRENCH BOTTOMS AND WHERE INDICATED. SHAPE BEDDING COURSE TO PROVIDE CONTINUOUS SUPPORT FOR BELLS, JOINTS, AND BARRELS OF PIPES AND FOR JOINTS, FITTINGS, AND BODIES OF CONDUITS. USE CLASS B BEDDING UNDER ALL PVC PIPING.
- CAREFULLY COMPACT INITIAL BACKFILL UNDER PIPE HAUNCHES AND COMPACT EVENLY UP ON BOTH SIDES AND ALONG THE FULL LENGTH OF PIPING OR CONDUIT TO AVOID DAMAGE OR DISPLACEMENT OF PIPING OR CONDUIT
- BACKFILL ALL UTILITIES UNDER ROADWAYS AND TRAFFIC AREAS WITH CRUSHED STONE. COMPACTION OF SOIL BACKFILLS AND FILLS
- PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS
- PLACE BACKFILL AND FILL SOIL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES TO REQUIRED ELEVATIONS, AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE. COMPACT SOIL MATERIALS AS INDICATED ON DRAWINGS OR AS INDICATED IN THE PROJECT GEOTECHNICAL
- PROVIDE CONSTRUCTION PHASE MONITORING AND TESTING AS RECOMMENDED IN THE PROJECT GEOTECHNICAL REPORT. PROVIDE TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL. GRADING
- GENERAL: UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE OF IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED. 1. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.
- 2. CUT OUT SOFT SPOTS, FILL LOW SPOTS, AND TRIM HIGH SPOTS TO COMPLY WITH REQUIRED SURFACE TOLERANCES. LANDSCAPE ISLANDS: FILL ALL CURBED ISLANDS TO TOP OF CURB WITH TOPSOIL AND APPLY
- SEED AND MULCH UNLESS DRAWINGS INDICATE OTHERWISE. C. SLOPES: DO NOT CREATE CUT OR FILL SLOPES STEEPER THAN 2H:1V WITHOUT OBTAINING SPECIAL WRITTEN PERMISSION FROM THE ENGINEER OF RECORD AND PROJECT GEOTECHNICAL
- PROTECTING GRADED AREAS: PROTECT NEWLY GRADED AREAS FROM TRAFFIC. FREEZING, AND EROSION. KEEP FREE OF TRASH AND DEBRIS. SEE EROSION AND SEDIMENT CONTROL PLAN AND NOTES FOR FURTHER INFORMATION.

ASPHALT PAVING

A. ENVIRONMENTAL LIMITATIONS: DO NOT APPLY ASPHALT MATERIALS IF SUBGRADE IS WET OR

- EXCESSIVELY DAMP, IF RAIN IS IMMINENT OR EXPECTED BEFORE TIME REQUIRED FOR ADEQUATE CLIRE OR IF THE FOLLOWING CONDITIONS ARE NOT MET:
- PRIME COAT: MINIMUM SURFACE TEMPERATURE OF 60 DEG F TACK COAT: MINIMUM SURFACE TEMPERATURE OF 60 DEG F.
- SLURRY COAT: COMPLY WITH WEATHER LIMITATIONS IN ASTM D 3910. 4. ASPHALT BASE COURSE: MINIMUM SURFACE TEMPERATURE OF 40 DEG F AND RISING AT TIME
- OF PLACEMENT 5. ASPHALT SURFACE COURSE: MINIMUM SURFACE TEMPERATURE OF 60 DEG F AT TIME OF PLACEMENT.
- ASPHALT MATERIALS REFER TO PROJECT GEOTECHNICAL REPORT AND PROJECT DRAWINGS FOR REQUIRED ASPHALT MATERIAL DESIGN.
- AGGREGATES SHALL MEET THE REQUIREMENTS OF THE LOCAL DEPARTMENT OF TRANSPORTATION. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL NOT BE USED IN THE MIX DESIGN.
- PATCHING ASPHALT PAVEMENT: SAW CUT PERIMETER OF PATCH AND EXCAVATE EXISTING PAVEMENT SECTION TO SOUND BASE. EXCAVATE RECTANGULAR OR TRAPEZOIDAL PATCHES, EXTENDING 12 INCHES INTO PERIMETER OF ADJACENT SOUND PAVEMENT, UNLESS OTHERWISE INDICATED. CUT EXCAVATION FACES VERTICALLY. REMOVE EXCAVATED MATERIAL. RECOMPACT EXISTING
- UNBOUND-AGGREGATE BASE COURSE TO FORM NEW SUBGRADE. B. TACK COAT: BEFORE PLACING PATCH MATERIAL, APPLY TACK COAT UNIFORMLY TO VERTICAL ASPHALT SURFACES ABUTTING THE PATCH. APPLY AT A RATE OF 0.05 TO 0.15 GAL./SQ. YD. ALLOW TACK COAT TO CURE UNDISTURBED BEFORE APPLYING HOT-MIX ASPHALT PAVING.
- AVOID SMEARING OR STAINING ADJOINING SURFACES, APPURTENANCES, AND SURROUNDINGS. REMOVE SPILLAGES AND CLEAN AFFECTED SURFACES. PLACING PATCH MATERIAL: FILL EXCAVATED PAVEMENT AREAS WITH HOT-MIX ASPHALT BASE MIX FOR FULL THICKNESS OF PATCH AND, WHILE STILL HOT, COMPACT FLUSH WITH ADJACENT
- GENERAL: IMMEDIATELY BEFORE PLACING ASPHALT MATERIALS, REMOVE LOOSE AND DELETERIOUS MATERIAL FROM SUBSTRATE SURFACES. ENSURE THAT PREPARED SUBGRADE IS READY TO RECEIVE PAVING. SAWCUT EXISTING PAVEMENT TO THE JOINED TO PROVIDE VERTICAL
- FACES BETWEEN NEW AND EXISTING SURFACES. EMULSIFIED ASPHALT PRIME COAT: APPLY UNIFORMLY OVER SURFACE OF COMPACTED UNBOUND-AGGREGATE BASE COURSE AT A RATE OF 0.10 TO 0.30 GAL/SQ. YD. PER INCH DEPTH. APPLY ENOUGH MATERIAL TO PENETRATE AND SEAL, BUT NOT FLOOD, SURFACE. ALLOW PRIME
- COAT TO CURE IF PRIME COAT IS NOT ENTIRELY ABSORBED WITHIN 24 HOURS AFTER APPLICATION, SPREAD SAND OVER SURFACE TO BLOT EXCESS ASPHALT. USE ENOUGH SAND TO PREVENT PICKUP UNDER TRAFFIC. REMOVE LOOSE SAND BY SWEEPING BEFORE PAVEMENT IS PLACED AND AFTER VOLATILES HAVE EVAPORATED.
- PROTECT PRIMED SUBSTRATE FROM DAMAGE UNTIL READY TO RECEIVE PAVING. TACK COAT: APPLY UNIFORMLY TO SURFACES OF EXISTING PAVEMENT AT A RATE OF 0.02 TO 0.08
- GAL./SQ. YD. ALLOW TACK COAT TO CURE UNDISTURBED BEFORE APPLYING HOT-MIX ASPHALT PAVING. AVOID SMEARING OR STAINING ADJOINING SURFACES, APPURTENANCES, AND SURROUNDINGS. REMOVE SPILLAGES AND CLEAN AFFECTED SURFACES.
- PLACING HOT-MIX ASPHALT MACHINE PLACE HOT-MIX ASPHALT ON PREPARED SURFACE, SPREAD UNIFORMLY, AND STRIKE OFF. PLACE ASPHALT MIX BY HAND IN AREAS INACCESSIBLE TO EQUIPMENT IN A MANNER THAT PREVENTS SEGREGATION OF MIX. PLACE EACH COURSE TO REQUIRED GRADE, CROSS SECTION, AND THICKNESS WHEN COMPACTED PLACE HOT-MIX ASPHALT BASE COURSE IN NUMBER OF LIFTS AND THICKNESSES INDICATED.
- PLACE HOT-MIX ASPHALT SURFACE COURSE IN SINGLE LIFT SPREAD MIX AT A MINIMUM TEMPERATURE OF 250 DEG F. BEGIN APPLYING MIX ALONG CENTERLINE OF CROWN FOR CROWNED SECTIONS AND ON HIGH
- SIDE OF ONE-WAY SLOPES UNLESS OTHERWISE INDICATED. REGULATE PAVER MACHINE SPEED TO OBTAIN SMOOTH, CONTINUOUS SURFACE FREE OF PULLS AND TEARS IN ASPHALT-PAVING MAT. PLACE PAVING IN CONSECUTIVE STRIPS NOT LESS THAN 10 FEET WIDE UNLESS INFILL EDGE
- STRIPS OF A LESSER WIDTH ARE REQUIRED. CONSTRUCT JOINTS TO ENSURE A CONTINUOUS BOND BETWEEN ADJOINING PAVING SECTIONS.
- CONSTRUCT JOINTS FREE OF DEPRESSIONS, WITH SAME TEXTURE AND SMOOTHNESS AS OTHER SECTIONS OF HOT-MIX ASPHALT COURSE. CONSTRUCT SMOOTH TRANSITIONS BETWEEN NEW AND EXISTING PAVING SECTIONS.
- GENERAL: BEGIN COMPACTION AS SOON AS PLACED HOT-MIX PAVING WILL BEAR ROLLER WEIGHT WITHOUT EXCESSIVE DISPLACEMENT. COMPACT HOT-MIX PAVING WITH HOT, HAND TAMPERS OR WITH VIBRATORY-PLATE COMPACTORS IN AREAS INACCESSIBLE TO ROLLERS. COMPLETE COMPACTION BEFORE MIX TEMPERATURE COOLS TO 185 DEG F.
- TOP SURFACE LIFT: AVERAGE OF 93% OF MAXIMUM THEORETICAL DENSITY. TOLERANCE: +2.0%, -1.0% OF ANY INDIVIDUAL TEST FINISH ROLLING: FINISH ROLL PAVED SURFACES TO REMOVE ROLLER MARKS WHILE HOT-MIX

INITIAL LIFT: AVERAGE OF 92% OF MAXIMUM THEORETICAL DENSITY.

- ERECT BARRICADES TO PROTECT PAVING FROM TRAFFIC FOR AT LEAST 24 HOURS AFTER PLACEMENT FOR THE BINDER COURSE, AND AT LEAST 72 HOURS AFTER PLACEMENT FOR THE
- D. IF THE AMBIENT AIR TEMPERATURE IS IN EXCESS OF 90 DEGREES FAHRENHEIT DURING THE 72 HOUR PROTECTION PERIOD, THE PAVEMENT SURFACE SHALL BE FLOODED WITH WATER TO RAPIDLY COOL THE PAVEMENT AT LEAST ONCE PER DAY.
- 8.) FIELD QUALITY CONTROL TESTING AGENCY: ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND
- INSPECTIONS. B. CONDUCT TESTS AND REPORTS SPECIFIED IN THE PROJECT GEOTECHNICAL REPORT TESTING AGENCY MUST INSPECT AND APPROVE THE SUBGRADE, EACH FILL LAYER, AND THE
- SUBBASE AND BASE COURSE.
- PROMPTLY SEND TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL REMOVE AND REPLACE OR INSTALL ADDITIONAL HOT-MIX ASPHALT WHERE TEST RESULTS OR MEASUREMENTS INDICATE THAT IT DOES NOT COMPLY WITH SPECIFIED REQUIREMENTS.

CONCRETE PAVING

- A. TRAFFIC CONTROL: MAINTAIN ACCESS FOR VEHICULAR AND PEDESTRIAN TRAFFIC AS REQUIRED FOR OTHER CONSTRUCTION ACTIVITIES. STEEL REINFORCEMENT
- PLAIN-STEEL WELDED WIRE REINFORCEMENT: ASTM A 185/A 185M, FABRICATED FROM AS-DRAWN STEEL WIRE INTO FLAT SHEETS. REINFORCING BARS: ASTM A 615/A 615M, GRADE 60; DEFORMED.
- . JOINT DOWEL BARS: ASTM A 615/A 615M, GRADE 60 PLAIN-STEEL BARS. CUT BARS TRUE TO LENGTH WITH ENDS SQUARE AND FREE OF BURRS D. BAR SUPPORTS: BOLSTERS, CHAIRS, SPACERS, AND OTHER DEVICES FOR SPACING, SUPPORTING,
- AND FASTENING REINFORCING BARS, WELDED WIRE REINFORCEMENT, AND DOWELS IN PLACE. MANUFACTURE BAR SUPPORTS ACCORDING TO CRSI'S "MANUAL OF STANDARD PRACTICE" FROM STEEL WIRE, PLASTIC, OR PRECAST CONCRETE OF GREATER COMPRESSIVE STRENGTH THAN CONCRETE SPECIFIED, AND AS FOLLOWS:
- X. CEMENTITIOUS MATERIAL: USE CEMENTITIOUS MATERIALS, OF SAME TYPE, BRAND, AND SOURCE THROUGHOUT PROJECT.
- B. NORMAL-WEIGHT AGGREGATES: ASTM C 33,, UNIFORMLY GRADED. PROVIDE AGGREGATES FROM
- MAXIMUM COARSE-AGGREGATE SIZE: 1 INCH NOMINAL. 2. FINE AGGREGATE: FREE OF MATERIALS WITH DELETERIOUS REACTIVITY TO ALKALI IN CEMENT.
- RELATED MATERIAL . JOINT FILLERS: ASTM D 1751, ASPHALT-SATURATED CELLULOSIC FIBER IN PREFORMED STRIPS. WHEEL STOPS WHEEL STOPS: PRECAST, AIR-ENTRAINED CONCRETE, 2500-PSI MINIMUM COMPRESSIVE
- 6.) SIDEWALKS SIDEWALKS: SLOPE SIDEWALKS AWAY FROM BUILDING WITH A 1.5% CROSS-SLOPE UNLESS
- DRAWINGS INDICATE OTHERWISE. REMOVE LOOSE MATERIAL FROM COMPACTED SUBBASE SURFACE IMMEDIATELY BEFORE PLACING CONCRETE.

STRENGTH,. PROVIDE CHAMFERED CORNERS AND DRAINAGE SLOTS ON UNDERSIDE AND HOLES

- .) STEEL REINFORCEMENT GENERAL: COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR FABRICATING, PLACING,
- AND SUPPORTING REINFORCEMENT. B. CLEAN REINFORCEMENT OF LOOSE RUST AND MILL SCALE, EARTH, ICE, OR OTHER BOND-REDUCING MATERIALS
- ARRANGE, SPACE, AND SECURELY TIE BARS AND BAR SUPPORTS TO HOLD REINFORCEMENT IN POSITION DURING CONCRETE PLACEMENT. MAINTAIN MINIMUM COVER TO REINFORCEMENT. INSTALL WELDED WIRE REINFORCEMENT IN LENGTHS AS LONG AS PRACTICABLE. LAP ADJOINING PIECES AT LEAST ONE FULL MESH, AND LACE SPLICES WITH WIRE. OFFSET LAPS OF ADJOINING
- WIDTHS TO PREVENT CONTINUOUS LAPS IN EITHER DIRECTION. ZINC-COATED REINFORCEMENT: USE GALVANIZED-STEEL WIRE TIES TO FASTEN ZINC-COATED REINFORCEMENT. REPAIR CUT AND DAMAGED ZINC COATINGS WITH ZINC REPAIR MATERIAL.
- GENERAL: FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS AND TOOL EDGES TRUE TO LINE, WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE. CONSTRUCT TRANSVERSE JOINTS AT RIGHT ANGLES TO CENTERLINE UNLESS OTHERWISE INDICATED. 1. WHEN JOINING EXISTING PAVING, PLACE TRANSVERSE JOINTS TO ALIGN WITH PREVIOUSLY
- PLACED JOINTS UNLESS OTHERWISE INDICATED. ENSURE FORMS PROVIDE CORRECT HORIZONTAL AND VERTICAL ALIGNMENT BETWEEN NEW AND EXISTING PAVEMENTS, SIDEWALKS, CURB AND GUTTER, ETC.
- CONSTRUCTION JOINTS: SET CONSTRUCTION JOINTS AT SIDE AND END TERMINATIONS OF PAVING AND AT LOCATIONS WHERE PAVING OPERATIONS ARE STOPPED FOR MORE THAN ONE-HALF HOUR UNLESS PAVING TERMINATES AT ISOLATION JOINTS. 1. CONTINUE STEEL REINFORCEMENT ACROSS CONSTRUCTION JOINTS UNLESS OTHERWISE
- INDICATED. DO NOT CONTINUE REINFORCEMENT THROUGH SIDES OF PAVING STRIPS UNLESS OTHERWISE INDICATED. PROVIDE TIE BARS AT SIDES OF PAVING STRIPS WHERE INDICATED.
- 3. KEYED JOINTS: PROVIDE PREFORMED KEYWAY-SECTION FORMS OR BULKHEAD FORMS WITH KEYS UNLESS OTHERWISE INDICATED. EMBED KEYS AT LEAST 1-1/2 INCHES INTO CONCRETE. 4. DOWELED JOINTS: INSTALL DOWEL BARS AND SUPPORT ASSEMBLIES AT JOINTS WHERE INDICATED. LUBRICATE OR COAT WITH ASPHALT ONE-HALF OF DOWEL LENGTH TO PREVENT CONCRETE BONDING TO ONE SIDE OF JOINT.
- ISOLATION JOINTS: FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING CONCRETE CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, OTHER FIXED OBJECTS,
- AND WHERE INDICATED. LOCATE EXPANSION JOINTS AT INTERVALS OF 30 FEET UNLESS OTHERWISE INDICATED. EXTEND JOINT FILLERS FULL WIDTH AND DEPTH OF JOINT. 3. TERMINATE JOINT FILLER NOT LESS THAN 1/2 INCH OR MORE THAN 1 INCH BELOW FINISHED
- SURFACE IF JOINT SEALANT IS INDICATED. 4. PLACE TOP OF JOINT FILLER FLUSH WITH FINISHED CONCRETE SURFACE IF JOINT SEALANT IS
- 5. FURNISH JOINT FILLERS IN ONE-PIECE LENGTHS. WHERE MORE THAN ONE LENGTH IS
- REQUIRED. LACE OR CLIP JOINT-FILLER SECTIONS TOGETHER. 6. DURING CONCRETE PLACEMENT, PROTECT TOP EDGE OF JOINT FILLER WITH METAL, PLASTIC, OR OTHER TEMPORARY PREFORMED CAP. REMOVE PROTECTIVE CAP AFTER CONCRETE HAS
- D. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, AS FOLLOWS: 1. GROOVED JOINTS: FORM CONTRACTION JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVING TOOL TO A 1/4-INCH RADIUS. REPEAT

BEEN PLACED ON BOTH SIDES OF JOINT.

- GROOVING OF CONTRACTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE GROOVING-TOOL MARKS ON CONCRETE SURFACES. 2. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH- WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE DEVELOPING RANDOM CONTRACTION CRACKS.
- 3. DOWELED CONTRACTION JOINTS: INSTALL DOWEL BARS AND SUPPORT ASSEMBLIES AT JOINTS WHERE INDICATED. LUBRICATE OR COAT WITH ASPHALT ONE-HALF OF DOWEL LENGTH TO PREVENT CONCRETE BONDING TO ONE SIDE OF JOINT EDGING: AFTER INITIAL FLOATING, TOOL EDGES OF PAVING, GUTTERS, CURBS, AND JOINTS IN

CONCRETE WITH AN EDGING TOOL TO A 1/4-INCH RADIUS. REPEAT TOOLING OF EDGES AFTER

APPLYING SURFACE FINISHES. ELIMINATE EDGING-TOOL MARKS ON CONCRETE SURFACES.

10.) FIELD QUALITY CONTROL

- PROMPTLY SEND TEST REPORTS TO THE ENGINEER FOR REVIEW AND APPROVAL TESTING SERVICES: TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED
- AGENCY ACCORDING TO THE FOLLOWING REQUIREMENTS: TESTING FREQUENCY: OBTAIN AT LEAST ONE COMPOSITE SAMPLE FOR EACH 100 CU. YD. OR TESTING WILL PROVIDE FEWER THAN FIVE COMPRESSIVE-STRENGTH TESTS FOR EACH
- SLUMP: ASTM C 143/C 143M; ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO
- BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
- 4. CONCRETE TEMPERATURE: ASTM C 1064/C 1064M: ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F AND BELOW AND WHEN IT IS 80 DEG F AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
- COMPRESSIVE STRENGTH FROM TWO SPECIMENS OBTAINED FROM SAME COMPOSITE
- SAMPLE AND TESTED AT 28 DAYS. STRENGTH AND NO COMPRESSIVE-STRENGTH TEST VALUE FALLS BELOW SPECIFIED
- E. TEST RESULTS SHALL BE REPORTED IN WRITING TO ENGINEER, CONCRETE MANUFACTURER, AND CONTRACTOR WITHIN 48 HOURS OF TESTING. REPORTS OF COMPRESSIVE-STRENGTH TESTS SHALL CONTAIN PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AND INSPECTING AGENCY, LOCATION OF CONCRETE BATCH IN
- F. ADDITIONAL TESTS: TESTING AND INSPECTING AGENCY SHALL MAKE ADDITIONAL TESTS OF CONCRETE WHEN TEST RESULTS INDICATE THAT SLUMP, AIR ENTRAINMENT, COMPRESSIVE STRENGTHS, OR OTHER REQUIREMENTS HAVE NOT BEEN MET, AS DIRECTED BY ENGINEER.

CONCRETE PAVING WILL BE CONSIDERED DEFECTIVE IF IT DOES NOT PASS TESTS AND

- ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.
- PREPARE TEST AND INSPECTION REPORTS. REPAIRS AND PROTECTION REMOVE AND REPLACE CONCRETE PAVING THAT IS BROKEN, DAMAGED, OR DEFECTIVE OR THAT
- DOES NOT COMPLY WITH REQUIREMENTS IN THIS SECTION. REMOVE WORK IN COMPLETE SECTIONS FROM JOINT TO JOINT UNLESS OTHERWISE APPROVED BY ENGINEER.
- MAGNITUDE OF CRACKS OR DEFECTIVE AREAS. FILL DRILLED CORE HOLES IN SATISFACTORY PAVING AREAS WITH PORTLAND CEMENT CONCRETE BONDED TO PAVING WITH EPOXY ADHESIVE. C. PROTECT CONCRETE PAVING FROM DAMAGE. EXCLUDE TRAFFIC FROM PAVING FOR AT LEAST 14 DAYS AFTER PLACEMENT. WHEN CONSTRUCTION TRAFFIC IS PERMITTED, MAINTAIN PAVING AS

CLEAN AS POSSIBLE BY REMOVING SURFACE STAINS AND SPILLAGE OF MATERIALS AS THEY

MAINTAIN CONCRETE PAVING FREE OF STAINS, DISCOLORATION, DIRT, AND OTHER FOREIGN MATERIAL. SWEEP PAVING NOT MORE THAN TWO DAYS BEFORE DATE SCHEDULED FOR SUBSTANTIAL COMPLETION INSPECTIONS.

PAVEMENT MARKINGS

- A. REGULATORY REQUIREMENTS: COMPLY WITH MATERIALS, WORKMANSHIP, AND OTHER APPLICABLE REQUIREMENTS OF STATE DOT OR LOCAL MUNICIPALITY FOR PAVEMENT-MARKING
- FIELD CONDITIONS ENVIRONMENTAL LIMITATIONS: PROCEED WITH PAVEMENT MARKING ONLY ON CLEAN, DRY
- SURFACES AND AT A MINIMUM AMBIENT OR SURFACE TEMPERATURE OF 40 DEG F FOR ALKYD MATERIALS, 55 DEG F FOR WATER-BASED MATERIALS, AND NOT EXCEEDING 95 DEG F. PAVEMENT-MARKING PAINT
- PAVEMENT-MARKING PAINT: ALKYD-RESIN TYPE, LEAD AND CHROMATE FREE, READY MIXED, COMPLYING WITH AASHTO M 248; COLORS COMPLYING WITH FS TT-P-1952. COLOR: AS INDICATED. B. ALL PAVEMENT MARKING WITHIN D.O.T. RIGHT-OF-WAY SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH D.O.T. SPECIFICATIONS.
- APPLY TEMPORARY PAVEMENT MARKING BEFORE TRAFFIC IS ALLOWED ON ANY NEWLY PAVED AREA OR AS SITE CONDITIONS DICTATE. ALLOW FINAL WEARING SURFACE TO AGE FOR A MINIMUM OF 30 DAYS BEFORE APPLYING FINAL PERMANENT PAVEMENT MARKING.
- PROTECTING AND CLEANING PROTECT PAVEMENT MARKINGS FROM DAMAGE AND WEAR DURING REMAINDER OF
- CONSTRUCTION PERIOD. B. CLEAN SPILLAGE AND SOILING FROM ADJACENT CONSTRUCTION USING CLEANING AGENTS AND

PROCEDURES RECOMMENDED BY MANUFACTURER OF AFFECTED CONSTRUCTION.

CHAIN LINK FENCES AND GATES

- FIELD MEASUREMENTS: VERIFY LAYOUT INFORMATION FOR CHAIN-LINK FENCES AND GATES SHOWN ON DRAWINGS IN RELATION TO PROPERTY SURVEY AND EXISTING STRUCTURES. VERIFY DIMENSIONS BY FIELD MEASUREMENTS.
- SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH INSTALLER AGREES TO REPAIR OR REPLACE COMPONENTS OF CHAIN-LINK FENCES AND GATES THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.) CHAIN-LINK FENCE FABRIC
- GENERAL: PROVIDE FABRIC IN ONE-PIECE HEIGHTS MEASURED BETWEEN TOP AND BOTTOM OF OUTER EDGE OF SELVAGE KNUCKLE OR TWIST. COMPLY WITH CLFMI PRODUCT MANUAL AND
- WITH REQUIREMENTS INDICATED BELOW: FABRIC HEIGHT: AS INDICATED ON DRAWINGS 2. STEEL WIRE FABRIC: WIRE WITH A DIAMETER OF 0.148 INCH.
- a. MESH SIZE: 2 INCHES. b. POLYMER-COATED FABRIC: ASTM F 668, OVER ZINC-COATED STEEL WIRE. COLOR: BLACK, COMPLYING WITH ASTM F 934.
- SELVAGE: TWISTED TOP AND KNUCKLED BOTTOM. FENCE FRAMING
- POSTS AND RAILS: COMPLY WITH ASTM F 1043 FOR FRAMING, INCLUDING RAILS, BRACES, AND LINE; TERMINAL; AND CORNER POSTS. PROVIDE MEMBERS WITH MINIMUM DIMENSIONS AND WALL THICKNESS ACCORDING TO ASTM F 1043 BASED ON THE FOLLOWING:
 - FENCE HEIGHT: AS INDICATED ON DRAWINGS. MATERIAL a. LINE POST: 1.9 INCHES IN DIAMETER.
- b. END, CORNER AND PULL POST: 2.375 INCHES. 3. HORIZONTAL FRAMEWORK MEMBERS: TOP RAILS COMPLYING WITH ASTM F 1043. TOP RAIL: 1.66 INCHES IN DIAMETER.
- BRACE RAILS: COMPLY WITH ASTM F 1043. METALLIC COATING FOR STEEL FRAMING: TYPE A, CONSISTING OF NOT LESS THAN MINIMUM 2.0-OZ./SQ. FT. AVERAGE ZINC COATING
- PER ASTM A 123/A 123M OR 4.0-OZ./SQ. FT. ZINC COATING PER ASTM A 653/A 653M. METALLIC-COATED STEEL WIRE: 0.177-INCH- DIAMETER, MARCELLED TENSION WIRE COMPLYING WITH ASTM A 817 AND ASTM A 824, WITH THE FOLLOWING METALLIC COATING: TYPE II, ZINC COATED (GALVANIZED) BY HOT-DIP PROCESS, WITH THE FOLLOWING MINIMUM COATING WEIGHT:
- . GENERAL: COMPLY WITH ASTM F 900 FOR GATE POSTS AND SINGLE OR DOUBLE SWING GATE
- GATE LEAF WIDTH: AS INDICATED. GATE FABRIC HEIGHT: AS INDICATED.

MATCHING CHAIN-LINK FABRIC COATING WEIGHT.

- B. PIPE AND TUBING: 1. ZINC-COATED STEEL: COMPLY WITH ASTM F 1043 AND ASTM F 1083; PROTECTIVE COATING AND FINISH TO MATCH FENCE FRAMING.
- 2. GATE POSTS: ROUND TUBULAR STEEL. GATE FRAMES AND BRACING: ROUND TUBULAR STEEL.
- C. FRAME CORNER CONSTRUCTION: ASSEMBLED WITH CORNER FITTINGS.
- HINGES: 360-DEGREE INWARD AND OUTWARD SWING.
- 2. LATCHES PERMITTING OPERATION FROM BOTH SIDES OF GATE WITH PROVISION FOR PADLOCKING ACCESSIBLE FROM BOTH SIDES OF GATE.

RAIL AND BRACE ENDS: FOR EACH GATE, CORNER, PULL, AND END POST

- GENERAL: COMPLY WITH ASTM F 626.
- B. POST CAPS: PROVIDE FOR EACH POST. PROVIDE LINE POST CAPS WITH LOOP TO RECEIVE TENSION WIRE OR TOP RAIL.
- D. RAIL FITTINGS: PROVIDE THE FOLLOWING: 1. TOP RAIL SLEEVES: PRESSED-STEEL OR ROUND-STEEL TUBING NOT LESS THAN 6 INCHES
- 2. RAIL CLAMPS: LINE AND CORNER BOULEVARD CLAMPS FOR CONNECTING RAILS IN THE FENCE LINE-TO-LINE POSTS.
- TENSION AND BRACE BANDS: PRESSED STEEL F. TENSION BARS: STEEL, LENGTH NOT LESS THAN 2 INCHES SHORTER THAN FULL HEIGHT OF
- CHAIN-LINK FABRIC. PROVIDE ONE BAR FOR EACH GATE AND END POST, AND TWO FOR EACH CORNER AND PULL POST. UNLESS FABRIC IS INTEGRALLY WOVEN INTO POST. G. TRUSS ROD ASSEMBLIES: STEEL, HOT-DIP GALVANIZED AFTER THREADING ROD AND
- TURNBUCKLE OR OTHER MEANS OF ADJUSTMENT. H. TIE WIRES, CLIPS, AND FASTENERS: ACCORDING TO ASTM F 626. STANDARD ROUND WIRE TIES: FOR ATTACHING CHAIN-LINK FABRIC TO POSTS, RAILS, AND FRAMES, COMPLYING WITH THE FOLLOWING: HOT-DIP GALVANIZED STEEL: 0.148-INCH- DIAMETER WIRE; GALVANIZED COATING THICKNESS MATCHING COATING THICKNESS OF CHAIN-LINK FENCE FABRIC.
- 8.) GROUT AND ANCHORING CEMENT NONSHRINK, NONMETALLIC GROUT: PREMIXED, FACTORY-PACKAGED, NONSTAINING. NONCORROSIVE, NONGASEOUS GROUT COMPLYING WITH ASTM C 1107. PROVIDE GROUT,

LOCKS ENGAGE ACCURATELY AND SECURELY WITHOUT FORCING OR BINDING.

- RECOMMENDED IN WRITING BY MANUFACTURER, FOR EXTERIOR APPLICATIONS. B. EROSION-RESISTANT ANCHORING CEMENT: FACTORY-PACKAGED, NONSHRINK, NONSTAINING HYDRAULIC-CONTROLLED EXPANSION CEMENT FORMULATION FOR MIXING WITH POTABLE WATER AT PROJECT SITE TO CREATE POURABLE ANCHORING, PATCHING, AND GROUTING COMPOUND. PROVIDE FORMULATION THAT IS RESISTANT TO EROSION FROM WATER EXPOSURE WITHOUT NEEDING PROTECTION BY A SEALER OR WATERPROOF COATING AND THAT IS RECOMMENDED IN
- WRITING BY MANUFACTURER, FOR EXTERIOR APPLICATIONS. GATES: ADJUST GATES TO OPERATE SMOOTHLY, EASILY, AND QUIETLY, FREE OF BINDING, WARP, EXCESSIVE DEFLECTION, DISTORTION, NONALIGNMENT, MISPLACEMENT, DISRUPTION, OR MALFUNCTION, THROUGHOUT ENTIRE OPERATIONAL RANGE. CONFIRM THAT LATCHES AND



CHAMFER DRIVE-THRU

STORE NUMBER:

PROJECT TYPE:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756

NEW CONSTRUCTION

FEE FOR SERVICE

CS PROJECT NUMBER: 073620



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BOOS DEVELOPMENT GROUP, INC.

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TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT SEAL: **FORESITE** GROUP, INC.

REVISIONS:

SHEET NUMBER:

DRAWING BY:

JOB NUMBER:

DATE:

TITLE:

11/13/2015

163.257

COMMENTS:

NOT RELEASED FOR CONSTRUCTION

TESTING AGENCY: ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM TESTS AND INSPECTIONS.

ACCORDING TO ASTM C 172 SHALL BE PERFORMED BY THE GENERAL CONTRACTOR'S TESTING

FRACTION THEREOF OF EACH CONCRETE MIXTURE PLACED EACH DAY. WHEN FREQUENCY OF CONCRETE MIXTURE, TESTING SHALL BE CONDUCTED FROM AT LEAST FIVE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.

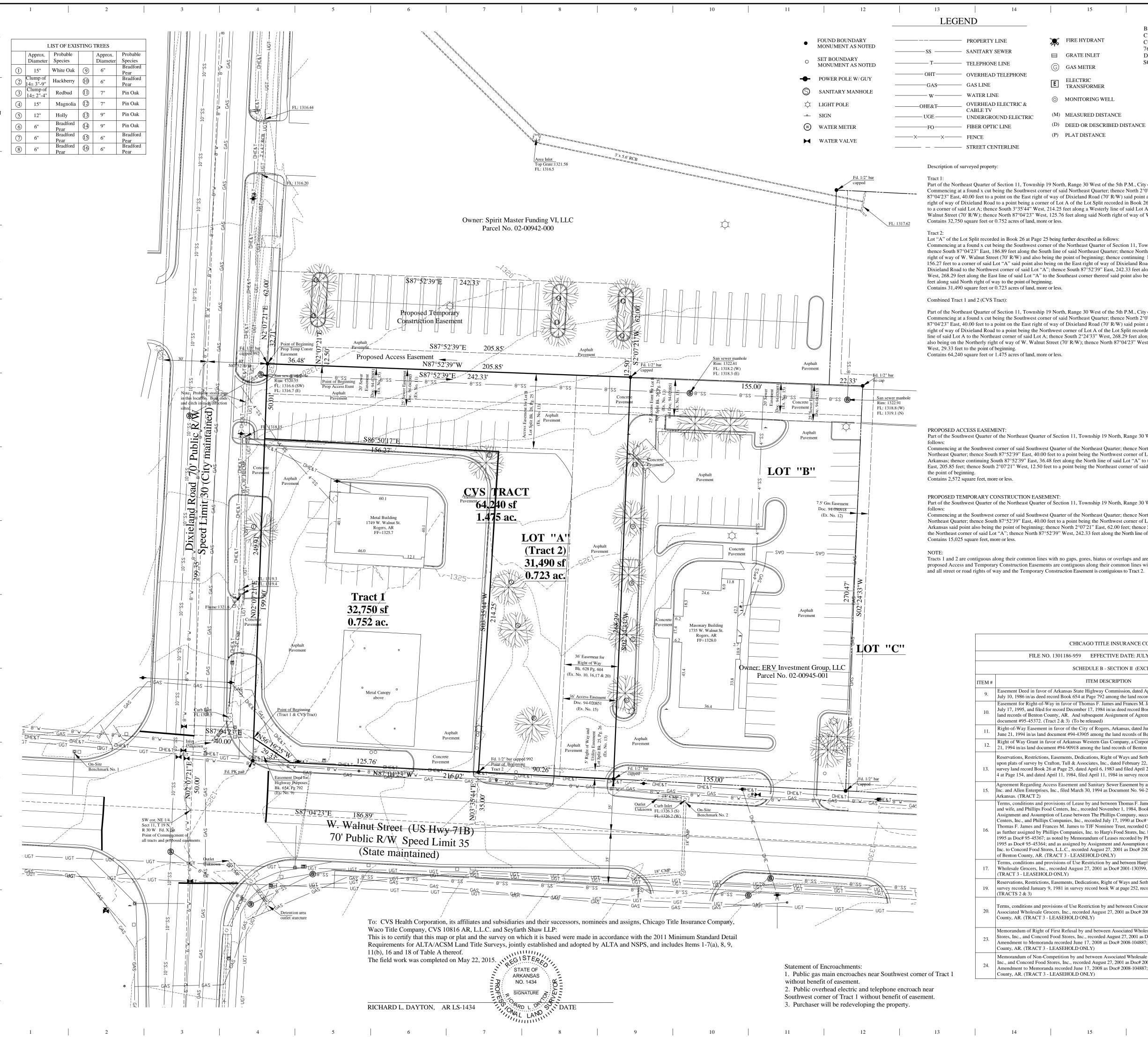
AIR CONTENT: ASTM C 231, PRESSURE METHOD; ONE TEST FOR EACH COMPOSITE SAMPLE.

5. COMPRESSION TEST SPECIMENS: ASTM C 31/C 31M; CAST AND LABORATORY CURE ONE SET OF THREE STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE. 6. COMPRESSIVE-STRENGTH TESTS: ASTM C 39/C 39M; TEST ONE SPECIMEN AT SEVEN DAYS AND TWO SPECIMENS AT 28 DAYS. A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE

D. STRENGTH OF EACH CONCRETE MIXTURE WILL BE SATISFACTORY IF AVERAGE OF ANY THREE CONSECUTIVE COMPRESSIVE-STRENGTH TESTS EQUALS OR EXCEEDS SPECIFIED COMPRESSIVE COMPRESSIVE STRENGTH BY MORE THAN 500 PSI

WORK, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIXTURE PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH, AND TYPE OF BREAK FOR BOTH 7- AND 28-DAY

DRILL TEST CORES, WHERE DIRECTED BY ENGINEER, WHEN NECESSARY TO DETERMINE



BASIS OF BEARINGS: CITY OF ROGERS GPS, NAD 83. FIRE HYDRANT CONTROL STATION - AHTD 40010A 763,173.9652 (N) 680,963.8807 (E) (US SURVEY FEET) ■ GRATE INLET DATE OF ADJUSTMENT: 1993 SCALE FACTOR: 1.000022126 G GAS METER ELECTRIC TRANSFORMER MONITORING WELL (M) MEASURED DISTANCE SCALE IN FEET (D) DEED OR DESCRIBED DISTANCE

Part of the Northeast Quarter of Section 11, Township 19 North, Range 30 West of the 5th P.M., City of Rogers, Benton County, Arkansas, further described as follows: Commencing at a found x cut being the Southwest corner of said Northeast Quarter; thence North 2°07'21" East, 50.00 feet along the West line of said Northeast Quarter; thence South 87°04'23" East, 40.00 feet to a point on the East right of way of Dixieland Road (70' R/W) said point also being the point of beginning; thence North 2°07'21" East, 199.90 feet along the East right of way of Dixieland Road to a point being a corner of Lot A of the Lot Split recorded in Book 26 at Page 25; thence South 86°50'17" East, 156.27 feet along a southerly line of said Lot A to a corner of said Lot A; thence South 3°35'44" West, 214.25 feet along a Westerly line of said Lot A to a point being a corner of said Lot A and also being on the Northerly right of way of W. Walnut Street (70' R/W); thence North 87°04'23" West, 125.76 feet along said North right of way of W. Walnut Street; thence North 56°19'25" West, 29.33 feet to the point of beginning. Contains 32,750 square feet or 0.752 acres of land, more or less.

(P) PLAT DISTANCE

Lot "A" of the Lot Split recorded in Book 26 at Page 25 being further described as follows:

Commencing at a found x cut being the Southwest corner of the Northeast Quarter of Section 11, Township 19 North, Range 30 West of the 5th P.M., City of Rogers, Benton County, Arkansas; thence South 87°04'23" East, 186.89 feet along the South line of said Northeast Quarter; thence North 3°35'44" East, 35.00 feet to a corner of said Lot "A" said point also being on the North right of way of W. Walnut Street (70' R/W) and also being the point of beginning; thence continuing North 3°35'44" East, 214.25 feet to a corner of said Lot "A"; thence North 86°50'17" West, 156.27 feet to a corner of said Lot "A" said point also being on the East right of way of Dixieland Road(70' R/W); thence North 2°07'21" East, 50.01 feet along said East right of way of Dixieland Road to the Northwest corner of said Lot "A"; thence South 87°52'39" East, 242.33 feet along the North line of said Lot "A" the Northeast corner thereof; thence South 2°24'33" West, 268.29 feet along the East line of said Lot "A" to the Southeast corner thereof said point also being on the North right of way of W. Walnut Street; thence North 87°04'23" West, 90.26 feet along said North right of way to the point of beginning.

Part of the Northeast Quarter of Section 11, Township 19 North, Range 30 West of the 5th P.M., City of Rogers, Benton County, Arkansas, further described as follows: Commencing at a found x cut being the Southwest corner of said Northeast Quarter; thence North 2°07′21" East, 50.00 feet along the West line of said Northeast Quarter; thence South 87°04'23" East, 40.00 feet to a point on the East right of way of Dixieland Road (70' R/W) said point also being the point of beginning; thence North 2°07'21" East, 249.91 feet along the East right of way of Dixieland Road to a point being the Northwest corner of Lot A of the Lot Split recorded in Book 26 at Page 25; thence South 87°52'39" East, 242.33 feet along the Northerly line of said Lot A to the Northeast corner of said Lot A; thence South 2°24'33" West, 268.29 feet along the Easterly line of said Lot A to a point being the Southeast corner of said Lot A and also being on the Northerly right of way of W. Walnut Street (70' R/W); thence North 87°04'23" West, 216.02 feet along said North right of way of W. Walnut Street; thence North 56°19'25" West, 29.33 feet to the point of beginning. Contains 64,240 square feet or 1.475 acres of land, more or less.

Part of the Southwest Quarter of the Northeast Quarter of Section 11, Township 19 North, Range 30 West of the 5th P.M., City of Rogers, Benton County, Arkansas, further described as Commencing at the Southwest corner of said Southwest Quarter of the Northeast Quarter; thence North 2°07′21" East, 299.35 feet along the West line of said Southwest Quarter of the Northeast Quarter; thence South 87°52'39" East, 40.00 feet to a point being the Northwest corner of Lot "A" of the Lot Split recorded in Book 26 at Page 25, records of Benton County, Arkansas; thence continuing South 87°52'39" East, 36.48 feet along the North line of said Lot "A" to the point of beginning; thence North 2°07'21" East, 12.50 feet; thence South 87°52'39" East, 205.85 feet; thence South 2°07'21" West, 12.50 feet to a point being the Northeast corner of said Lot "A"; thence North 87°52'39" West, 205.85 feet along the North line of said Lot "A" to

Part of the Southwest Quarter of the Northeast Quarter of Section 11, Township 19 North, Range 30 West of the 5th P.M., City of Rogers, Benton County, Arkansas, further described as

Commencing at the Southwest corner of said Southwest Quarter of the Northeast Quarter; thence North 2°07'21" East, 299.35 feet along the West line of said Southwest Quarter of the Northeast Quarter; thence South 87°52'39" East, 40.00 feet to a point being the Northwest corner of Lot "A" of the Lot Split recorded in Book 26 at Page 25, records of Benton County, Arkansas said point also being the point of beginning; thence North 2°07'21" East, 62.00 feet; thence South 87°52'39" East, 242.33 feet; thence South 2°07'21" West, 62.00 feet to a point being the Northeast corner of said Lot "A"; thence North 87°52'39" West, 242.33 feet along the North line of said Lot "A" to the point of beginning. Contains 15,025 square feet, more or less.

Tracts 1 and 2 are contiguous along their common lines with no gaps, gores, hiatus or overlaps and are contiguous along any and all street or road rights of way. The proposed Access and Temporary Construction Easements are contiguous along their common lines with no gaps, gores, hiatus or overlaps and are contiguous along any

	CHICAGO TITLE INSURANCE COMPANY		
	FILE NO. 1301186-959 EFFECTIVE DATE: JULY 28, 2015 AT 7:00 A.M.		
	SCHEDULE B - SECTION II (EXCEPTIONS)		
ITEM#	ITEM DESCRIPTION	EFFECT	
9.	Easement Deed in favor of Arkansas State Highway Commission, dated April 28, 1986, and filed for record July 10, 1986 in/as deed record Book 654 at Page 792 among the land records of Benton County, AR.(Tract 1)		
10.	Easement for Right-of-Way in favor of Thomas F. James and Frances M. James, husband and wife, dated July 17, 1995, and filed for record December 17, 1984 in/as deed record Book 628 at Page 604, among the land records of Benton County, AR. And subsequent Assignment of Agreement filed July 17, 1995 as land document #95-45372. (Tract 2 & 3) (To be released)		
11.	Right-of-Way Easement in favor of the City of Rogers, Arkansas, dated June 17, 1994 and filed for record June 21, 1994 in/as land document #94-43905 among the land records of Benton County, AR. (Tract 2) Affects Tract 2 As shown hereor		
12.	ght of Way Grant in favor of Arkansas Western Gas Company, a Corporation, filed for record December , 1994 in/as land document #94-90918 among the land records of Benton County, AR. (Tract 2) Does not a surveyed p		
13.	Reservations, Restrictions, Easements, Dedications, Right of Ways and Setback Lines as may be shown upon plats of survey by Crafton, Tull & Associates, Inc., dated February 22, 1994, filed March 17, 1994 in survey land record Book 26 at Page 25, dated April 6, 1983 and filed April 29, 1983 in survey record Book 4 at Page 154, and dated April 11, 1984, filed April 11, 1984 in survey record Book 5 at Page 194. (Tract 2)		
15.	Agreement Regarding Access Easement and Sanitary Sewer Easement by and between Phillips Companies, Inc. and Allen Enterprises, Inc., filed March 30, 1994 as Document No. 94-20851, records of Benton County, Arkansas. (TRACT 2)	Affects Tract 2 As shown hereon	
16.	Terms, conditions and provisions of Lease by and between Thomas F. James and Frances M. James, husband and wife, and Phillips Food Centers, Inc., recorded November 1, 1984, Book 21, Page 311; as assigned by Assignment and Assumption of Lease between The Phillips Company, successor by merger to Phillips Food Centers, Inc., and Phillips Companies, Inc., recorded July 17, 1990 at Doc# 90-21885; as further assigned by Thomas F. James and Frances M. James to TJF Nominee Trust, recorded October 12, 1992 as Doc# 92-63501; as further assigned by Phillips Companies, Inc. to Harp's Food Stores, Inc. by agreement recorded July 17, 1995 as Doc# 95-45367; as noted by Memorandum of Leases recorded by Phillips Companies, Inc. on July 17, 1995 as Doc# 95-45364; and as assigned by Assignment and Assumption of Lease from Harp's Food Stores, Inc. to Concord Food Stores, L.L.C., recorded August 27, 2001 as Doc# 2001-130403; all among the records of Benton County, AR. (TRACT 3 - LEASEHOLD ONLY)	Affects Tract 2 Refers to Easemen recorded in Book 628, Page 604 as shown hereon	
17.	Terms, conditions and provisions of Use Restriction by and between Harp's Food Stores, Inc. and Associated Wholesale Grocers, Inc., recorded August 27, 2001 as Doc# 2001-130399, records of Benton County, AR. (TRACT 3 - LEASEHOLD ONLY)		
19.	Reservations, Restrictions, Easements, Dedications, Right of Ways and Setback Lines as may be shown upon survey recorded January 9, 1981 in survey record book W at page 252, records of Benton County, AR. (TRACTS 2 & 3)	Affects Tracts 1, 2 and 3 Nothing to plot	
20.	Terms, conditions and provisions of Use Restriction by and between Concord Food Stores, Inc. and Associated Wholesale Grocers, Inc., recorded August 27, 2001 as Doc# 2001-130410, records of Benton County, AR. (TRACT 3 - LEASEHOLD ONLY)	Affects Tract 2 Refers to Easemer recorded in Book 628, Page 604 as shown hereon	
23.	Memorandum of Right of First Refusal by and between Associated Wholesale Grocers, Inc., Harp's Food Stores, Inc., and Concord Food Stores, Inc., recorded August 27, 2001 as Doc# 2001-130426; as amended by Amendment to Memoranda recorded June 17, 2008 as Doc# 2008-104887; all among the records of Benton County, AR. (TRACT 3 - LEASEHOLD ONLY)	Affects Tract 3 Nothing to plot	
24.	Memorandum of Non-Competition by and between Associated Wholesale Grocers, Inc., Harp's Food Stores, Inc., and Concord Food Stores, Inc., recorded August 27, 2001 as Doc# 2001-130420; as amended by Amendment to Memoranda recorded June 17, 2008 as Doc# 2008-104887; all among the records of Benton County, AR. (TRACT 3 - LEASEHOLD ONLY)	Affects Tract 3 Nothing to plot	

VICINITY MAP NOT TO SCALE

LAT: N 36°20'04" LONG: W 94°08'36"

W. Walnut Street

NOTES:

FIRM NOTE:

By graphic scaling only this property is located within Flood Zone "X" (areas determined to be outside 500-year floodplain) as letermined from the National Flood Insurance Program, Flood nsurance Rate Map, Map No. 05007C0260K, Map Revised: June 5, 2012.

UTILITY NOTE:

This survey reflects above ground indications of utilities and information available from utility companies. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The urveyor further does not warranty that the underground utilities shown are in the exact location indicated, although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the

ZONING NOTE:

150512-0840 and 150512-0849

by the title company as required by the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys. Any zoning information shown was obtained from City maps and Ordinances. The surveyor does not warrant this information as complete or correct.

The present zoning for this site was not provided to the surveyor

underground utilities. Arkansas One-Call Ticket No.

Present Zoning: C-2 Highway Commercial District

Front yard - 65' Side yard (interior) - 15' Side yard (exterior) - 45' Rear yard - 15'

Parcel No. 02-00946-000 02-00945-000 02-00944-000

On Site Benchmark No. 1: Square cut in SE corner concrete traffic signal base at NW corner W. Walnut St. and Dixieland Rd. Elevation: 1324.86 (NAVD 88)

On Site Benchmark No. 2:

Square cut in front top of curb inlet on North side W. Walnut St. pproximately 50' SE of SE corner surveyed property. Elevation: 329.92 (NAVD 88)

GENERAL NOTES:

urvey is valid only if surveyors seal and original signature are present. This survey meets current "Minimum Standards for Property Boundary Surveys" in the State of Arkansas.

ubsurface and environmental conditions were not examined or

onsidered as part of this survey.

There was no observed evidence of current earth moving work, building onstruction or building additions on the surveyed property.

There was no observed evidence of the surveyed property being used as a solid waste dump, sump or sanitary landfill.

CITY OF ROGERS **BENTON COUNTY** ARKANSAS

ALTA/ACSM SURVEY FOR

CVS STORE NO. 10816 DATE OF LAST REVISION:

10-20-15: Attorney comments and updated title commitment 11-3-15: Client comments 11-11-15: Attorney comments



Civil Engineering Inc.

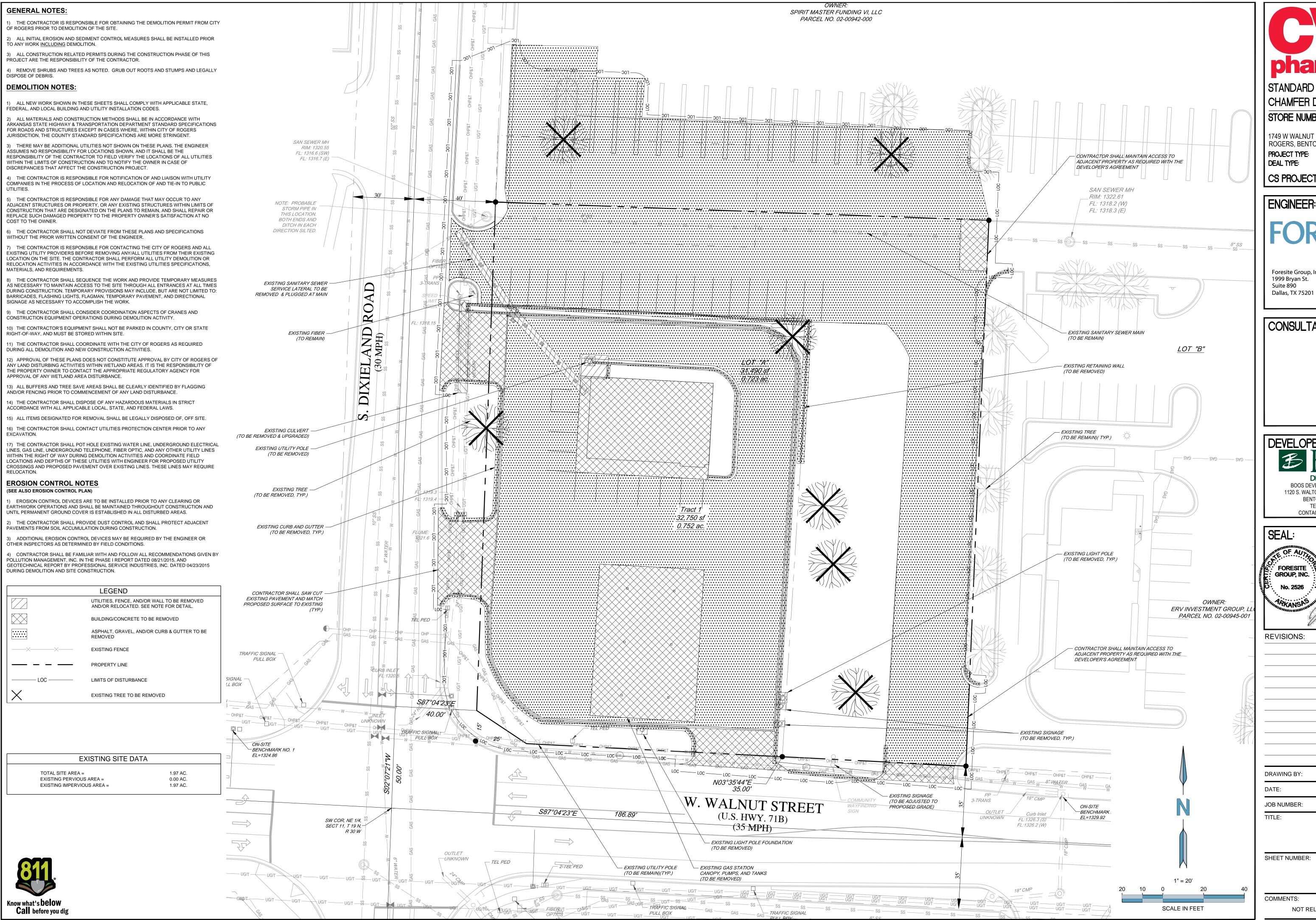
3214 N.W. AVIGNON WAY, SUITE 4 BENTONVILLE, AR 72712 479.464.8850 | OFFICE 479.464.9040 | FAX

DATE OF FIELD SURVEY - May 22, 2015

CHECKED BY: RLD

SCALE: 1"=30' DATE: May 28, 2015 DRAWN BY: RD DRAWING NO. S150380 FIELD CREW: Indian Creek

SHEET 1 OF 1





CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION

FEE FOR SERVICE

CS PROJECT NUMBER: 073620

ENGINEER:

Foresite Group, Inc.

o | 214.939.7123 **f |** 888.765.8135 w | www.fg-inc.net

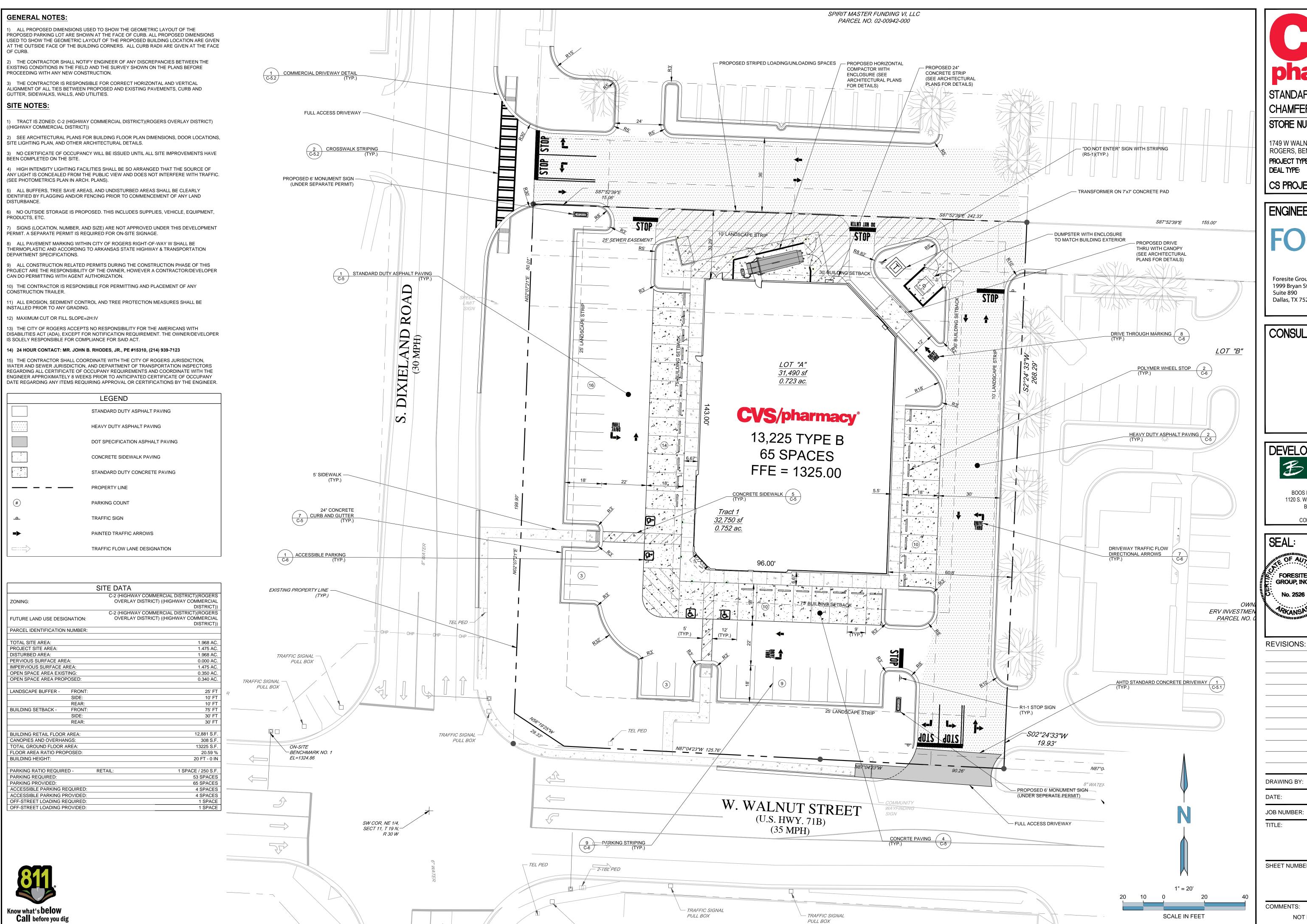
CONSULTANT:

BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

GROUP, INC.

11/13/2015 JOB NUMBER: 163.257

SHEET NUMBER:





CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION

CS PROJECT NUMBER: 073620

ENGINEER:

Foresite Group, Inc. 1999 Bryan St. Suite 890 Dallas, TX 75201

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FEE FOR SERVICE

CONSULTANT:

BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

SEAL: **FORESITE** GROUP, INC.

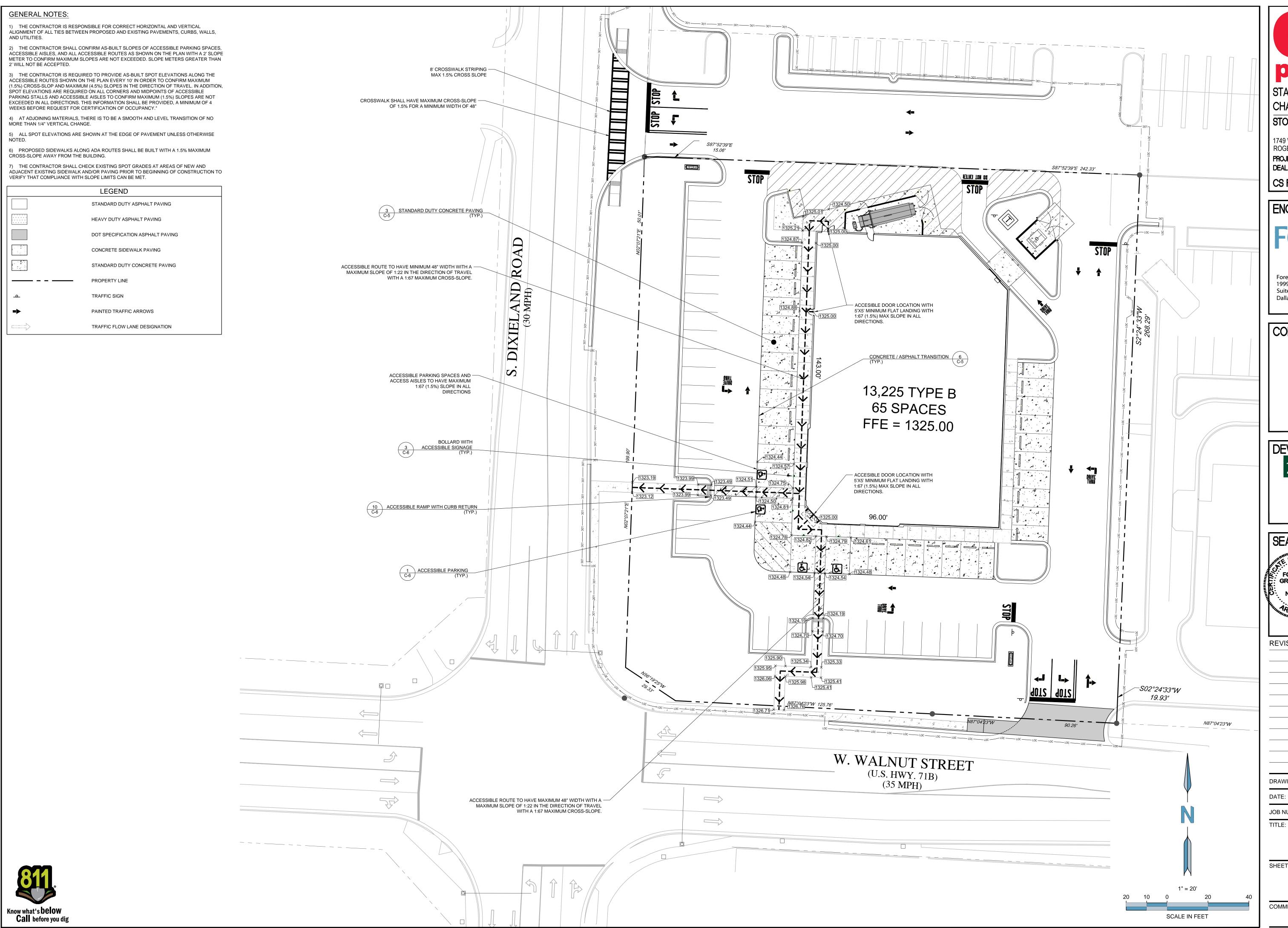
DRAWING BY:

11/13/2015 163.257 JOB NUMBER: TITLE:

SITE & PAVING PLAN

SHEET NUMBER:

COMMENTS:





STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET

ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION DEAL TYPE: FEE FOR SERVICE

10816

CS PROJECT NUMBER: 073620

ENGINEER:

Foresite Group, Inc. 1999 Bryan St. Suite 890

o | 214.939.7123 **f |** 888.765.8135 w | www.fg-inc.net Dallas, TX 75201

CONSULTANT:

BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

SEAL: GROUP, INC.

REVISIONS:

DRAWING BY: DATE: 11/13/2015 JOB NUMBER: 163.257

ADA SITE PLAN

SHEET NUMBER:

COMMENTS:

2) ALL PROPOSED SIDEWALKS SHALL BE BUILT WITH A 1.5% CROSS-SLOPE AWAY FROM THE BUILDING.

3) ALL HEAD WALL SECTIONS SHALL BE CONSTRUCTED TO BE FLUSH WITH THE EXISTING DITCH BANK AND PROPOSED EMBANKMENT SLOPES.

SITE NOTES:

BEEN COMPLETED.

) THE CONTRACTOR SHALL CLEAN OUT ACCUMULATED SILT IN STORM WATER CONVEYANCE CHANNELS AND PIPES AT END OF CONSTRUCTION WHEN DISTURBED AREAS

2) THE CONTRACTOR SHALL COORDINATE WITH CITY OF ROGERS INSPECTIONS DURING CONSTRUCTION.

3) NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE IMPROVEMENTS HAVE

4) THE CONTRACTOR SHALL CONSTRUCT EROSION CONTROL BARRIERS PER CITY OF ROGERS INSPECTOR AND MAINTAIN UNTIL PERMANENT VEGETATION IS ESTABLISHED.

THE CONTRACTOR SHALL RE-ESTABLISH ALL RIGHT OF WAY AREA WHICH IS DAMAGED OR DISTURBED TO ORIGINAL CONDITIONS OR BETTER DURING AUTHORIZED WORK. ALL WORK IN CITY OF ROGERS RIGHT OF WAY SHALL COMPLY WITH GDOT SPECIFICATIONS.

6) ALL CURBED LANDSCAPE ISLANDS SHALL BE FILLED TO TOP OF CURB WITH TOPSOIL AND SEEDED.

7) MAXIMUM CUT OR FILL SLOPES IS 2H:1V

8) TREE PROTECTION FENCE SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING ACTIVITIES.

9) ALL PLASTIC STORM PIPE SHOWN ON THIS PLAN SHALL BE WRAPPED WITH LOCATION

10) ALL CMP STORM PIPE SHALL BE TYPE 2 ALUMINIZED. ALL HDPE SHALL BE AASHTO TYPE "S" AND SHALL BE INSTALLED IN ACCORDANCE TO ASTM D2321 OR AASHTO SECTION 30 STANDARD PRACTICES AND AS RECOMMENDED BY THE MANUFACTURER. ALL RCP STORM

11) IN ALL AREAS OF FILL OR OTHERWISE DISTURBANCE OF EXISTING CONDITIONS, UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL FULLY AND COMPLETELY REMOVE AND LEGALLY DISPOSE OFF-SITE, ALL PLANT MATERIALS INCLUDING BUT NOT LIMITED TO ROOT SYSTEMS, CONCRETE, REINFORCED CONCRETE, ASPHALT DEBRIS, UNDERBRUSH, TOPSOIL, AND OTHER DELETERIOUS MATERIAL. THE SUBGRADE TO REMAIN SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY FOLLOWING FULL REMOVAL OF THESE

12) REFER TO SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION REPORTS AS PROVIDED BY OWNER FOR RECOMMENDATIONS ASSOCIATED WITH: GENERAL SITE PREPARATION, BUILDING PAD PREPARATION, SUBGRADE PREP, AREAS TO RECEIVE FILL AREAS TO BE OVEREXCAVATED, PAVEMENT SECTIONS, FILL, SLOPES AND EXCAVATION. THE CONTRACTOR SHALL HAVE THIS REPORT ON THE JOB SITE FOR REFERENCE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE EARTHWORK OPERATIONS AND CONSTRUCTION PHASE MONITORING TO ENSURE THAT ALL COMPACTION IS COMPLETED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL PROVIDE TESTING REPORTS TO THE OWNER REGARDING COMPACTION TESTING PER THE TESTING PROTOCOL IN THE GEOTECHNICAL REPORT.

13) COMPACTION OF ALL FILL MATERIAL BETWEEN THE FRONT AND REAR BUILDING LINES TO BE 95% STANDARD PROCTOR MUST BE CERTIFIED BY STATE REGISTERED PROFESSIONAL SOILS ENGINEER PRIOR TO THE INSTALLATION OF CURB. THIS CERTIFICATION WILL BE SUBMITTED TO THE CHIEF DEVELOPMENT INSPECTIONS. LOTS WITH 2' OF FILL OR GREATER, AS DELINEATED ON THE CONSTRUCTION PLANS, WILL REQUIRE A COMPACTION CERTIFICATION PRIOR TO ISSUANCE OF BUILDING PERMIT. THE ENGINEER WILL ALSO PROVIDE A LETTER LISTING THOSE LOTS THAT REQUIRE COMPACTION CERTIFICATION. THOSE LOTS THAT REQUIRE COMPACTION CERTIFICATION WILL BE INDICATED ON THE FINAL RECORDED PLAT.

14) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. 24 HR. CONTACT: MR. JOHN B. RHODES, JR., PE #15310 (214) 939-7123

15) NO PORTION OF THIS PROPERTY LIES WITHIN A SPECIAL FLOOD HAZARD AREA PER PANEL 05007C0260K DATED 06/05/2012

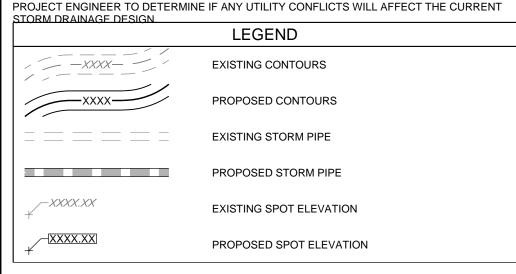
16) DETENTION FACILITIES AND EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT **GROUND COVER IS ESTABLISHED.**

17) EXTREME CAUTION SHALL BE USED WHEN WORKING WITHIN THE VICINITY OF THE EXISTING OVERHEAD POWER LINES. CONTRACTORS SHALL NOTIFY/COORDINATE WITH SWEPCO PRIOR TO CONSTRUCTION.

18) STORM WATER MANAGEMENT SHALL BE IN ACCORDANCE WITH COUNTY, STATE, AND OTHER APPROPRIATE ORDINANCES AND REGULATIONS IN EFFECT AT TIME OF

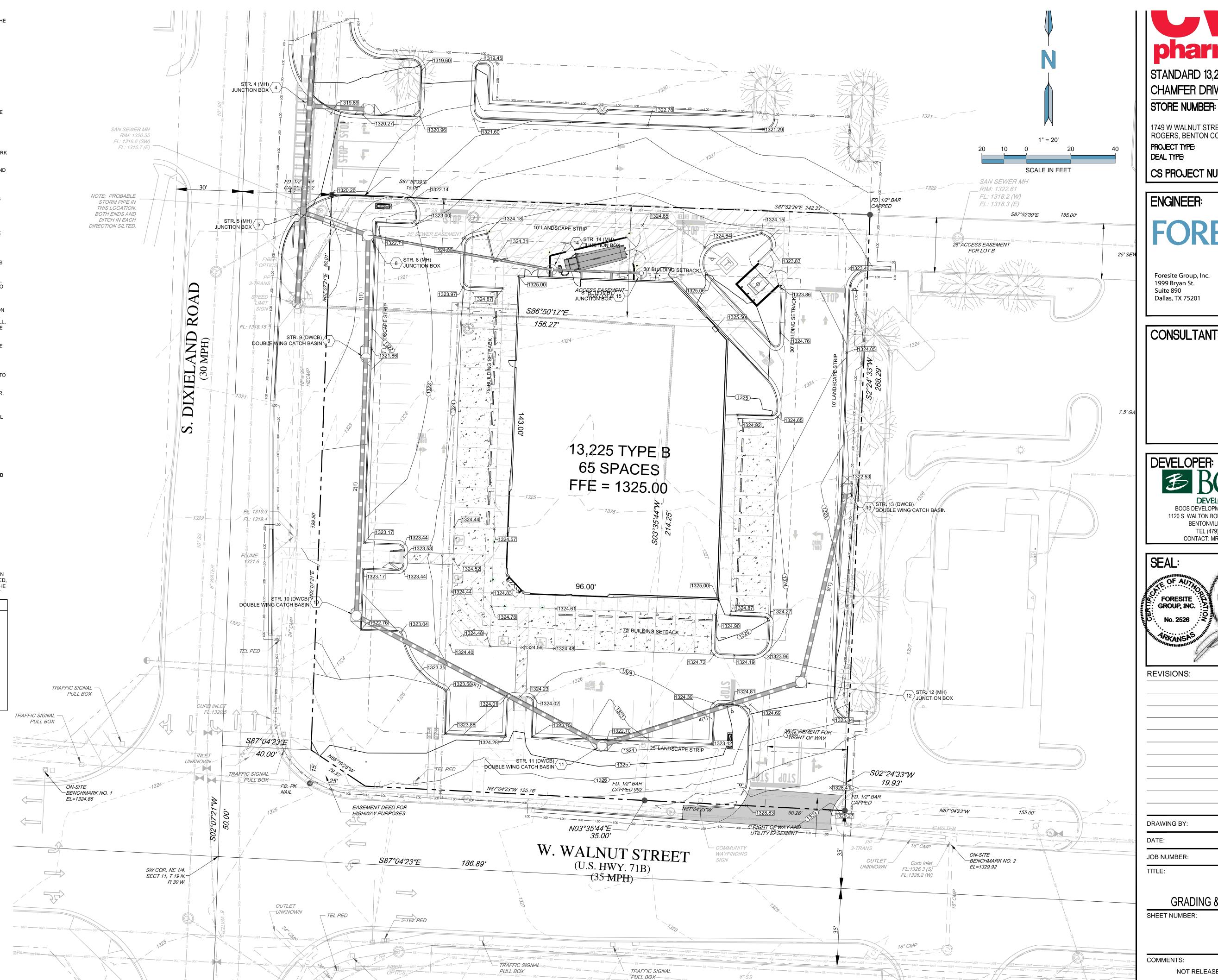
19) IN HEAVY DUTY PAVEMENT AREAS THE G.A.B. BASE SHALL BE EXTENDED UNDER THE CURB AND GUTTER TO PROVIDE ADDITIONAL STABILITY FOR TRUCK TRAVEL.

20) THE CONTRACTOR SHALL INSTALL DOWNSTREAM STORM PIPE CONNECTION IN THE RIGHT-OF-WAY PRIOR TO INSTALLATION OF ON-SITE STORM PIPING AND/OR STORM WATER DETENTION FACILITY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT HOLING THE LINES. THE CONTRACTOR SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE



Know what's below

Call before you dig





STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: **NEW CONSTRUCTION** FEE FOR SERVICE DEAL TYPE:

10816

CS PROJECT NUMBER: 073620

ENGINEER:

o | 214.939.7123

f | 888.765.8135

w | www.fg-inc.net

Foresite Group, Inc. 1999 Bryan St. Suite 890

Dallas, TX 75201

CONSULTANT:

BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712

> TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

SEAL: **FORESITE** GROUP, INC.

REVISIONS:

DRAWING BY:

11/13/2015

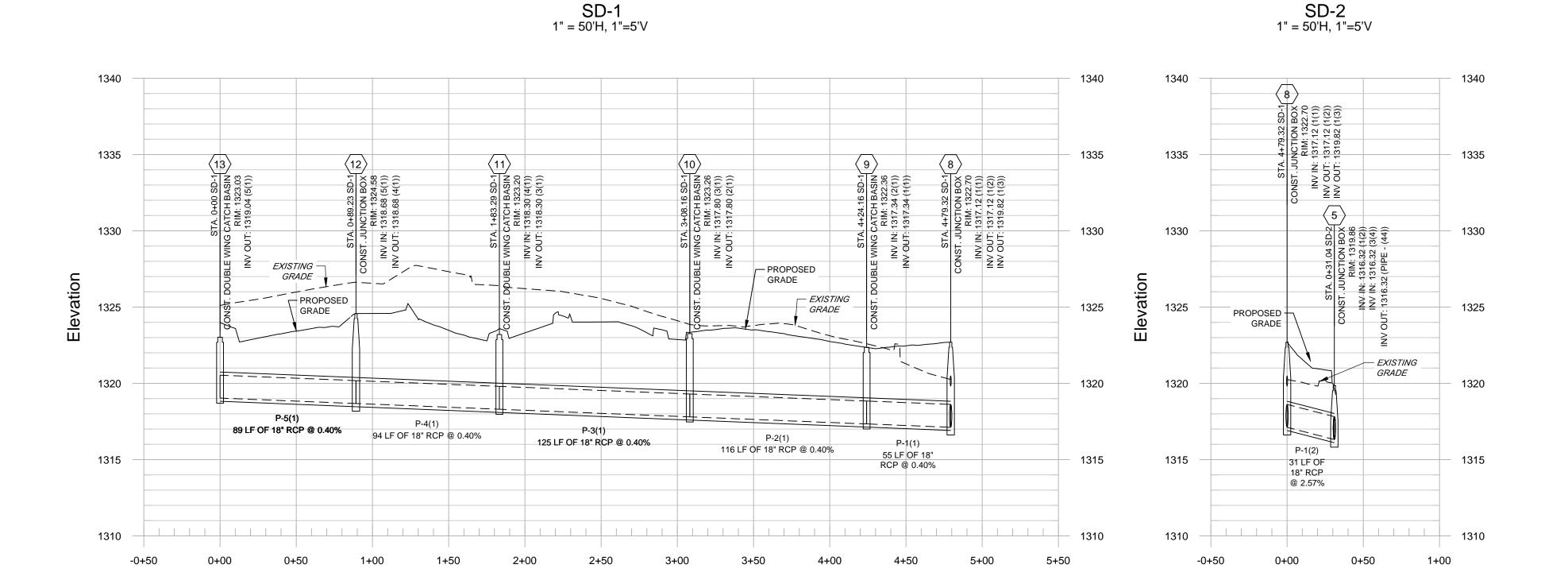
163.257

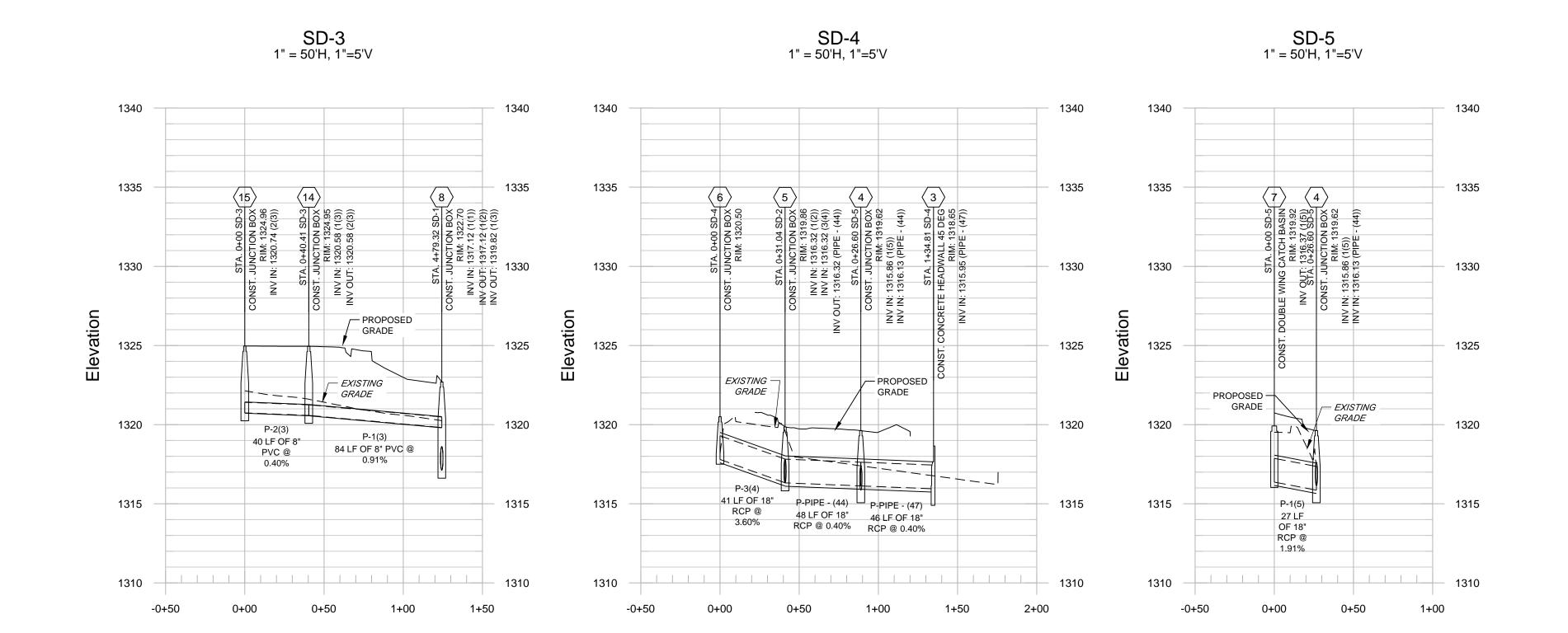
DATE: JOB NUMBER: TITLE:

GRADING & DRAINAGE PLAN

SHEET NUMBER:

COMMENTS:





811

Know what's **below Call** before you dig

GENERAL NOTES:

PIPE LENGTHS REFLECT THE PIPES LINEAR
LENGTH AND ARE SHOWN FROM CENTER OF
STRUCTURE TO CENTER OF STRUCTURE.

2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.

3) THE CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.



STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET
ROGERS, BENTON CO., ARKANSAS 72756

PROJECT TYPE: NEW CONSTRUCTION

DEAL TYPE: FEE FOR SERVICE

CS PROJECT NUMBER: 073620

ENGINEER:

FORESITI grou

Foresite Group, Inc. 1999 Bryan St. Suite 890 Dallas, TX 75201

o | 214.939.7123 f | 888.765.8135 w | www.fg-inc.net

10816

CONSULTANT:



BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT



REVISIONS:

DRAWING BY: RC

DATE: 11/13/2015

JOB NUMBER: 163.257

STORM DRAINAGE PROFILES

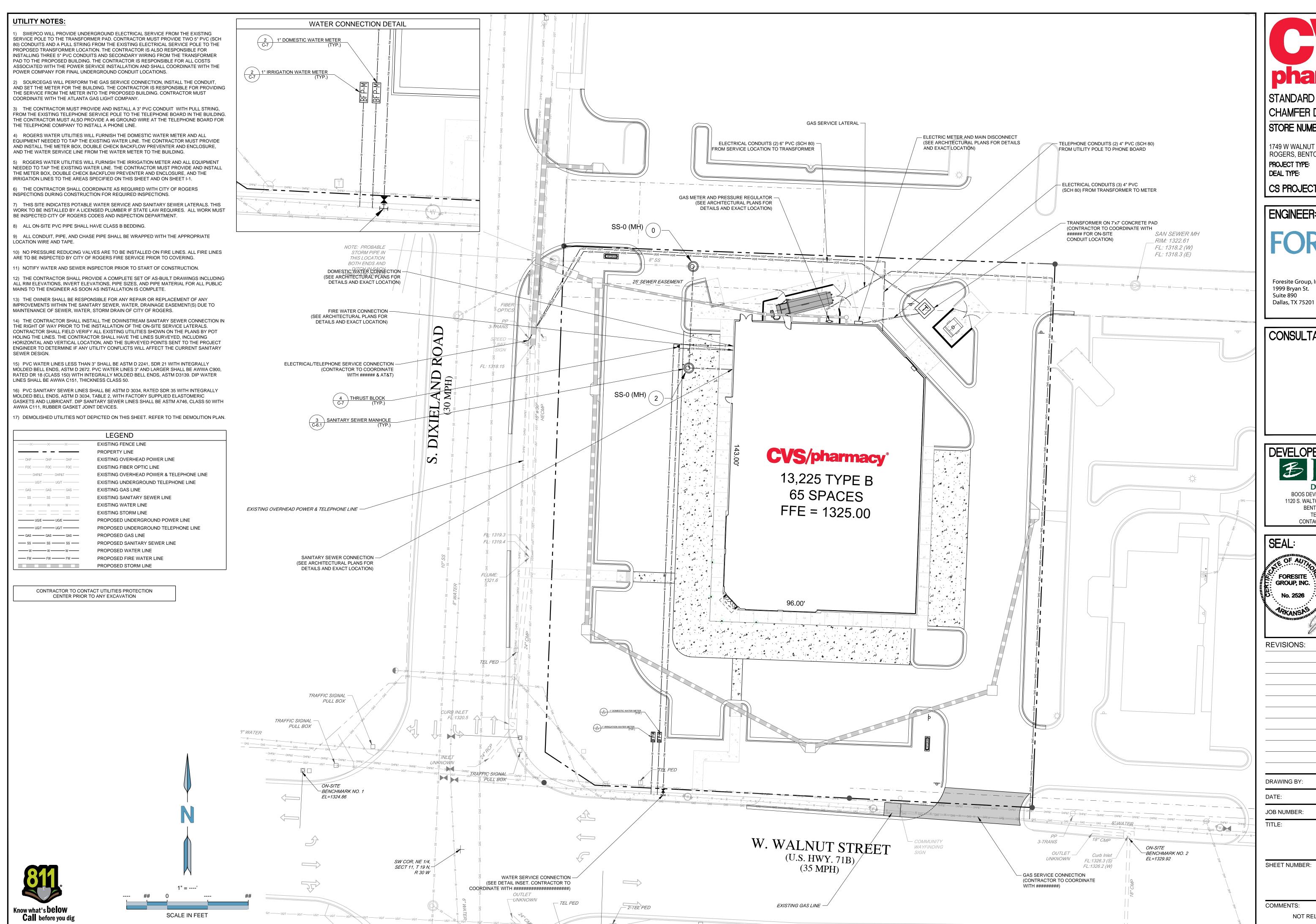
SHEET NUMBER:

TITLE:

C-2.1

COMMENTS:

NOT RELEASED FOR CONSTRUCTION





CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756

PROJECT TYPE: NEW CONSTRUCTION FEE FOR SERVICE

CS PROJECT NUMBER: 073620

10816

| ENGINEER:

Foresite Group, Inc. 1999 Bryan St. Suite 890

o | 214.939.7123 **f** | 888.765.8135 w | www.fg-inc.net

CONSULTANT:

BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

SEAL: **FORESITE** GROUP, INC.

DRAWING BY: 11/13/2015 JOB NUMBER: 163.257

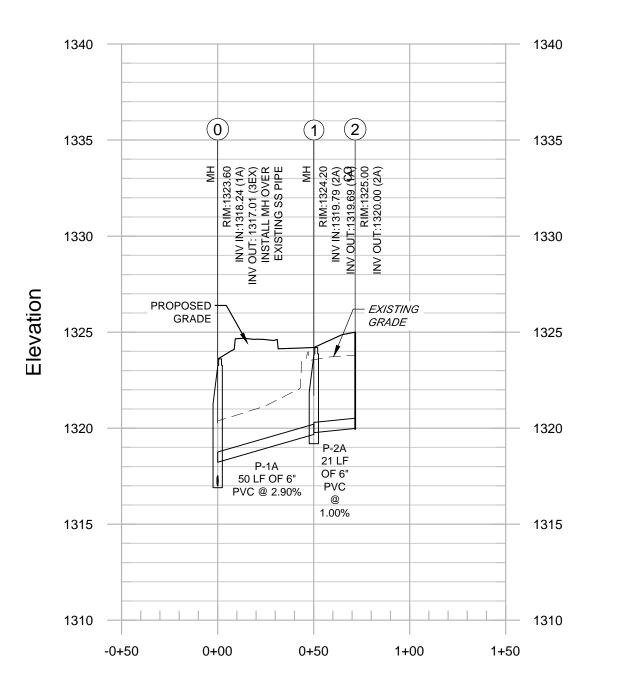
UTILITIES PLAN

SHEET NUMBER:

GENERAL NOTES:

- 1) PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- STRUCTURE TO CENTER OF STRUCTURE.
- 2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE ENCOUNTERED.
- 3) CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM THE DESIGN DRAWINGS.

SS - 1 1" = 50'H, 1"=5'V





STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET
ROGERS, BENTON CO., ARKANSAS 72756
PROJECT TYPE: NEW CONSTRUCTION

DEAL TYPE: FEE FOR SERVICE

CS PROJECT NUMBER: 073620

ENGINEER:

FORESITE group

Foresite Group, Inc. 1999 Bryan St. Suite 890 Dallas, TX 75201

o | 214.939.7123 f | 888.765.8135 w | www.fg-inc.net

10816

CONSULTANT:



BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

SEAL:

ARKANSAS

REGISTERED

PROFESSIONAL

ENGINEER

No. 2526

No. 2526

No. 2526

REGISTERED

PROFESSIONAL

ENGINEER

ARKANSAS

REGISTERED

R

REVISIONS:

DRAWING BY:

DRAWING BY:

DATE:

JOB NUMBER:

VERTICAL: SCALE IN FEET

HORIZONTAL: SCALE IN FEET

SANITARY SEWER PROFILES

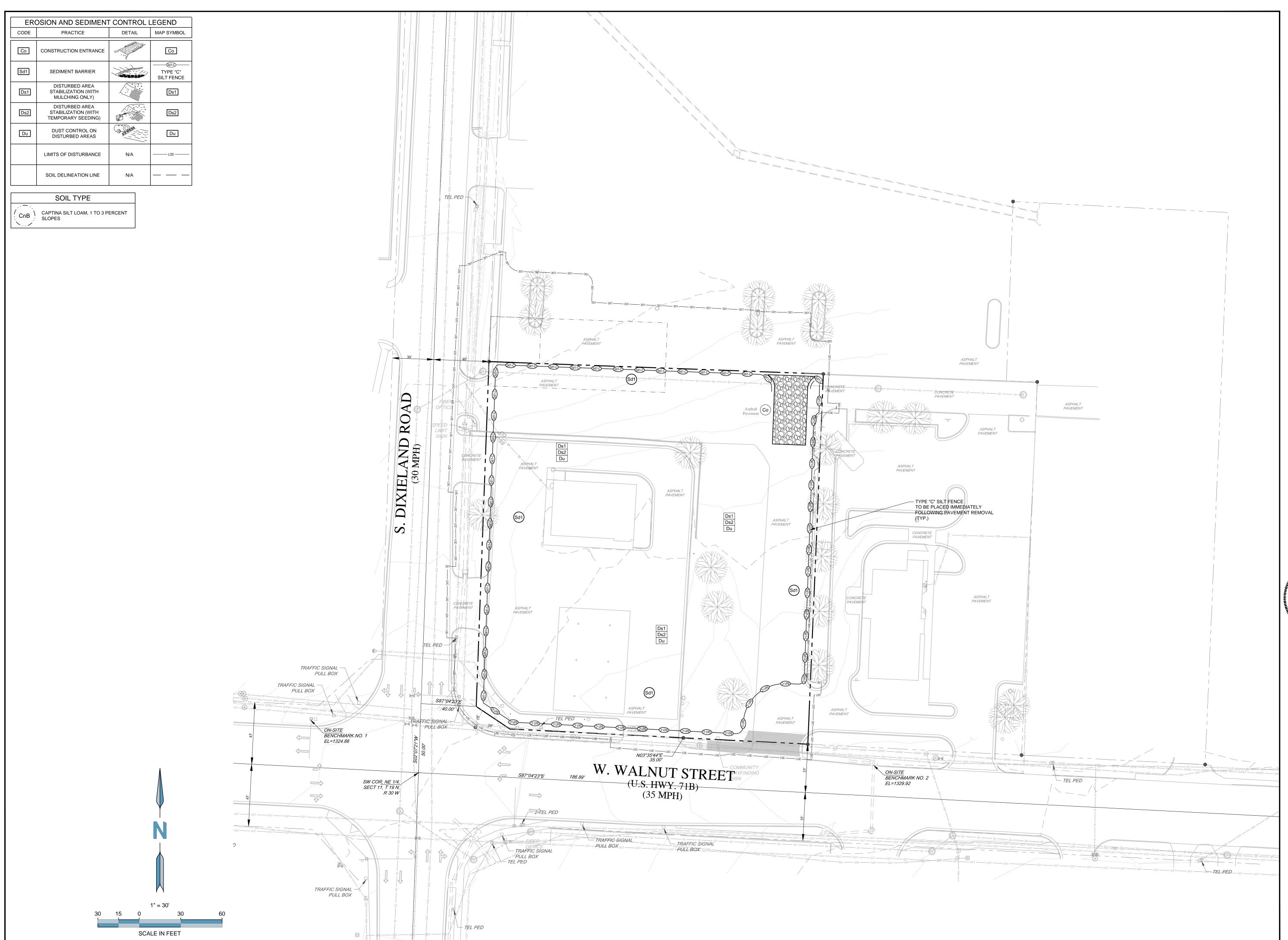
SHEET NUMBER:

C-3.1

11/13/2015

163.257

COMMENTS:





STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET
ROGERS, BENTON CO., ARKANSAS 72756
PROJECT TYPE: NEW CONSTRUCTION
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ENGINEER:

FORESITI grou

Foresite Group, Inc. 1999 Bryan St. Suite 890 Dallas, TX 75201

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CONSULTANT:



BOOS DEVELOPMENT GROUP, INC.

1120 S. WALTON BOULEVARD, SUITE 142

BENTONVILLE, AR 72712

TEL (479) 845-4637

CONTACT: MR. JOSH KNOTT

SEAL:

STATE OF AUTHORITION ARKANSAS

REGISTERED PROFESSIONAL ENGINEER

No. 2526

No. 2526

RHODES

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REGISTERED PROFESSIONAL ENGINEER

O No. 2526

REVISIONS:

DRAWING BY: RC

DATE: 11/13/2015

JOB NUMBER:
TITLE:

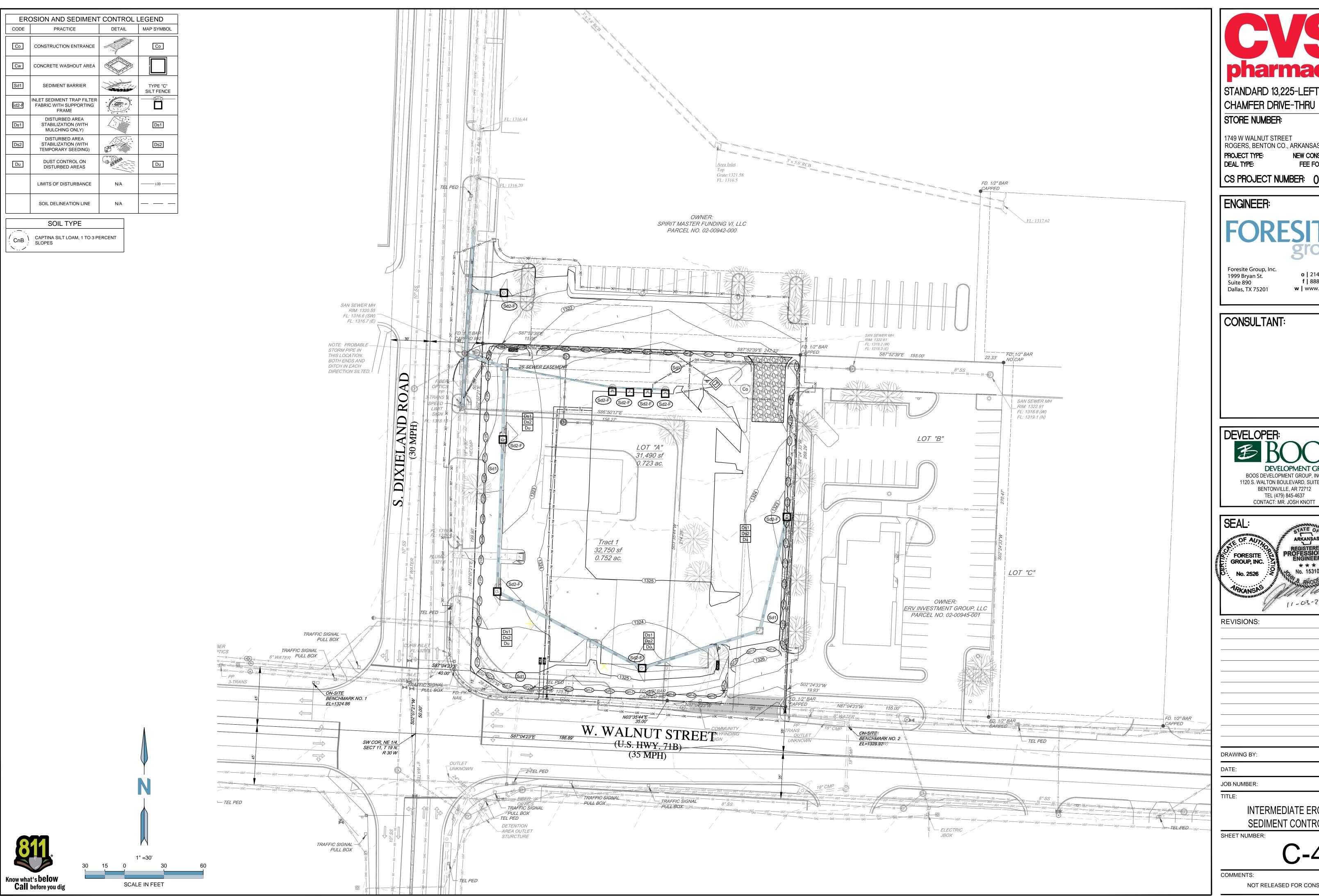
INITIAL EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER:

C-4

163.257

COMMENTS:





CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION FEE FOR SERVICE DEAL TYPE:

CS PROJECT NUMBER: 073620

| ENGINEER:

Foresite Group, Inc. 1999 Bryan St. Suite 890

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CONSULTANT:



BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

SEAL: FORESITE GROUP, INC.

REVISIONS:

DRAWING BY: 11/13/2015

JOB NUMBER:

INTERMEDIATE EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER:

163.257

COMMENTS:

EROSION AND SEDIMENT CONTROL LEGEND		
CODE PRACTICE DETAIL MAP SYMBOL Sd2-P INLET SEDIMENT TRAP CURB INLET PROTECTION		
DISTURBED AREA DISTURBED AREA STABILIZATION (WITH		phar
PERMANENT VEGETATION) Ds4 SODDING Ds4		phari CTANDARD 10 C
LIMITS OF DISTURBANCE N/A —— LOC ——		STANDARD 13,2 CHAMFER DRIV
SOIL TYPE		STORE NUMBER:
CnB CAPTINA SILT LOAM, 1 TO 3 PERCENT SLOPES		1749 W WALNUT STRE ROGERS, BENTON CO
	FD. 1/2" BAR CAPPED	PROJECT TYPE: DEAL TYPE:
		CS PROJECT NU
	OWNER: SPIRIT MASTER FUNDING VI, LLC PARCEL NO. 02-00942-000	ENGINEER:
		FORE
		Foresite Group, Inc. 1999 Bryan St.
	SAN SEWER MH RIM: 1320.55 FL: 1316.6 (SW) FL: 1316.7 (E)	Suite 890 Dallas, TX 75201
	SAN SEWER MH	
	S87°52'39"E 242.33' S87°52'39"E 242.33' S87°52'39"E 242.33' S87°52'39"E 155.00' S87°52'39"E 155.00' S87°52'39"E 155.00' S87°52'39"E 155.00' S87°52'39"E 155.00' S87°52'39"E 155.00'	CONSULTANT
	25' SEWER EASEMENT SS	
	SAN SEWER MH SPEED LIMIT 5 SECONTRE	
	S86°50'17"E S86°50'17"E FL: 1318.8 (W) FL: 1319.1 (N)	
	LOT "A"	
	100	DEVELOPER:
	DIXTELLAND (1987) LOT "B" LOT "B" 13.225 Type B	BB
		DEVEL BOOS DEVELOPN 1120 S. WALTON BO BENTONVIL TEL (479 CONTACT: MF
	FFE = 1325.00	BENTONVIL TEL (479 CONTACT: MF
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	32,750 sf 0.752 ac.	Market OF AUTOM
	96.00' 96.00' 1	FORESITE GROUP, INC.
	OWNER: ERV INVESTMENT GROUP, LLC PARCEL NO. 02-00945-001	No. 2526 . S
	PARCEL NO. 02-00945-001	William Walliam Wall
	FIBER OPTICS OPTICS WATER 8" WATER	REVISIONS:
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	3-TRANS 3-TRANS S02°24'33"W W W FD. PKW 100 19.93' FD. 1/2" BAR	
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/	W. WALNUT STREET OF STREET	
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	37 UGT	DATE:
	S" 5S S S S S S S S S S S S S S S S S S	JOB NUMBER:
		FINAL EROS
		SHEET NUMBER:
1" = 30'		
Know what's below Call before you dig		COMMENTS:
Call before you dig SCALE IN FEET		NOT RELEASI



STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 NEW CONSTRUCTION FEE FOR SERVICE PROJECT TYPE:

10816

CS PROJECT NUMBER: 073620

o | 214.939.7123 **f** | 888.765.8135 **w** | www.fg-inc.net

CONSULTANT:



BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

SEAL: FORESITE GROUP, INC.

FINAL EROSION & SEDIMENT CONTROL PLAN

11/13/2015

163.257

EROSION CONTROL NOTES:

1) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. 24 HR CONTACT: MR. JOHN B. RHODES, JR., PE #15310 (214) 939-7123. CONTRACTOR SHALL INFORM ENGINEER WHEN CONSTRUCTION BEGINS.

2) THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH

3) ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR

EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

5) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT.

6) SEDIMENT STORAGE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL

7) THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE ACCUMULATED SILT IS ONE-THIRD (1/3) FULL FOR ALL

EROSION & SEDIMENT CONTROL STRUCTURES.

8) MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR

9) A 25-FOOT UNDISTURBED BUFFER IS TO BE MAINTAINED ADJACENT TO ALL STREAMS.

PERMANENT. SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.

10) DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION.

11) ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.

ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT.

12) CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING

13) THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION

14) EROSION CONTROL DEVICES THAT ARE INSTALLED AS DIRECTED BY THE LAND DEVELOPMENT INSPECTOR BUT NOT SHOWN ON THE APPROVED PLAN AND WHICH ALSO SUBSEQUENTLY FAIL, ARE THE RESPONSIBILITY OF THE CONTRACTOR.

15) ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON, ADDITIONAL PLANTINGS

WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW. 16) TOPSOIL SHALL BE STOCKPILED AND USED TO DRESS FINAL GRADES.

17) NO PORTION OF THE SUBJECT PROPERTY LIES WITHIN A 100 YEAR FLOOD HAZARD AREA PER FIRM MAP NUMBER 05007C0260K

18) THE CONTRACTOR WILL CLEAN OUT ACCUMULATED SILT IN THE STORM DRAINAGE PIPES AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.

19) ALL LOTS WITH WET LAND OR WITHIN A DAM ZONE SHALL BE DENOTED WITH AN ASTERISK.

20) APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CITY OF ROGERS OR ADEQ OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS AND/OR WHICH MAY IMPACT ENDANGERED SPECIES. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULARITY AGENCY FOR APPROVAL OF ANY DISTURBANCE WHICH MAY

21) ALL CONSTRUCTION SHALL COMPLY WITH THE SPECIFICATIONS AND PROCEDURES DETAILED IN THE CURRENT DEVELOPMENT REGULATIONS OF CITY OF ROGERS AND THE EPA BEST MANAGEMENT PRATICES.

22) TWO ROWS OF TYPE C SILT FENCE SHALL BE INSTALLED ADJACENT TO STATE WATERS AND WILL PROTECT STATE WATERS FROM ANY LAND DISTURBING ACTIVITIES.

23) ALL SLOPES AND AREAS DISTURBED DURING CONSTRUCTION SHALL BE GRADED SMOOTH AND 4" OF TOPSOIL APPLIED. THE AREA SHALL THEN BE SEEDED. FERTILIZED. MULCHED. WATERED AND MAINTAINED UNTIL A HEALTHY STAND OF PERMANENT. VEGETATION HAS BEEN ESTABLISHED FOR ALL DISTURBED AREAS. SEEDS FOR GRASSED AREAS USE THE MIXTURES PER AHTD

24) ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION IS COMPLETE.

25) SILT BARRIERS SHALL BE PLACED AS SHOWN AND/OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR COUNTY

26) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES UNTIL CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION HAS BEEN ESTABLISHED.

27) ALL DISTURBED AREAS SHALL BE GRASSED AS SOON AS POSSIBLE AS PER THE SEEDING SCHEDULES AND RATES. 28) ALL OPEN DRAINAGE SWALES MUST BE GRASSED AND RIP-RAP PLACED AS REQUIRED TO PREVENT EROSION.

29) MAXIMUM SLOPES ON CUT OR FILL SECTIONS SHALL NOT EXCEED 2 TO 1

30) ALL FILL AREAS AND DITCH WORK ON THIS SITE SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR.

31) ALL DRAINAGE STRUCTURES SHALL HAVE RING AND COVER ACCESS.

CONTROL PLAN. COMMENTS SHOULD INCLUDE DATE AND JUSTIFICATION FOR CHANGES.

32) LENGTH OF STORM WATER OUTFALL STRUCTURE RIP-RAP SHALL BE AT LEAST 6 TIMES THE DIAMETER OF THE STORM DRAIN

33) WHERE APPLICABLE, EACH INDIVIDUAL LOT BUILDER SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION

34) SECONDARY PERMITTEES SHALL BE RESPONSIBLE FOR RETURNING AREAS DISTURBED DURING THEIR ACTIVITIES TO THE CONDITION PRIOR TO THEIR DISTURBANCE (TO INCLUDE SEEDING, STRAW, OR OTHER PRE-EXISTING BMP CONTROLS APPLIED).

35) EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTIONS.

36) INSPECTIONS ARE TO BE MADE AFTER EACH RAINFALL EVENT AND SILT ACCUMULATIONS SHALL BE REMOVED FROM ANY

SEDIMENT BASINS AND PLACED AT A STABLE LOCATION WHERE IT IS TO BE SEEDED AND MULCHED.

37) SEE EROSION CONTROL DETAIL SHEET FOR EROSION CONTROL DETAILS & SEEDING RATES AND SCHEDULES. 38) RED LINE COMMENTS ON WORKING SETS OF PLANS SHOULD BE MAINTAINED ON SITE FOR ANY CHANGES MADE TO EROSION

39) PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE, ANY MUD, DIRT, OR ROCK TRACKED FROM THE SITE WILL BE CLEANED AS NECESSARY, DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN.

40) PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF DISTURBANCE SHALL BE CLEARLY AND ACCURATELY MARKED WITH STAKES, RIBBON OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

41) IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

GENERAL NOTES:

THIS PLAN INCLUDES AS A MINIMUM BEST MANAGEMENT PRACTICES. INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMIZE EROSION AND RESULTANT SEDIMENTATION. WHICH ARE CONSISTENT WITH, AND NO LESS STRINGENT THAN, THOSE PRACTICES CONTAINED IN THE EPA BEST MANAGEMENT PRACTICES, AS WELL AS THE FOLLOWING:

1) STRIPPING OF VEGETATION, CUT AND FILL OPERATIONS, AND OTHER DEVELOPMENT ACTIVITIES WILL BE CONDUCTED IN A MANNER SO AS TO MINIMIZE EROSION.

2) DEVELOPMENT PLANS CONFORM TO TOPOGRAPHY AND SOIL TYPE, SO AS TO CREATE THE LOWEST PRACTICABLE EROSION

3) THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSIVE ELEMENTS WILL BE KEPT TO A PRACTICAL MINIMUM. WHENEVER FEASIBLE, NATURAL VEGETATION WILL BE RETAINED, PROTECTED, AND SUPPLEMENTED.

4) DISTURBED SOIL WILL BE STABILIZED AS QUICKLY AS PRACTICABLE.

5) TEMPORARY VEGETATION OR MULCHING WILL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT AT A MINIMUM OF EVERY 7 DAYS IF THE SOIL HAS BEEN LEFT UNDISTURBED.

6) PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES WILL BE INSTALLED AS SOON AS PRACTICABLE. 7) TO THE EXTENT NECESSARY, SEDIMENT IN RUN-OFF WATER WILL BE TRAPPED BY THE USE OF DEBRIS BASINS, SILT FENCE,

SILT TRAPS, OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED. 8) ADEQUATE PROVISIONS SHALL BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CUT FACE OF

EXCAVATIONS OR THE SLOPING SURFACES OF FILLS. 9) CUTS AND FILLS WILL NOT ENDANGER ADJOINING PROPERTY.

10) FILLS WILL NOT ENCROACH UPON NATURAL WATER COURSES OR CONSTRUCTED CHANNELS IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS.

11) GRADING EQUIPMENT WILL CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS ARE KEPT TO A MINIMUM.

12) PROVISIONS ARE PROVIDED FOR TREATMENT OR CONTROL OF ANY SOURCE OF SEDIMENTS AND ADEQUATE SEDIMENTATION CONTROL FACILITIES TO RETAIN SEDIMENTS ON SITE OR PRECLUDE SEDIMENTATION OF ADJACENT WATERS BEYOND THE LEVELS AR 150000; OR SPECIFIED IN THE GENERAL NPDES PERMIT NUMBER.

13) NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

14) OFF SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR FLIMINATED TO THE MAXIMUM EXTENT PRACTICAL

15) ALL LOTS AND DEVELOPMENT AREAS SHALL MAINTAIN COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

16) A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.

17) THERE SHALL BE NO ON-SITE STORAGE OF PETROLEUM. MOBILE PETROLEUM TRUCKS SHALL BE USED TO FUEL CONSTRUCTION EQUIPMENT ON-SITE.

18) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A "QUALIFIED PROFESSIONAL" INSPECT AND REPORT ALL DEFICIENCIES OF ALL EROSION CONTROL MEASURES AT A MINIMUM OF EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF

19) AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL

PERMITTEE REQUIREMENTS FOR INSPECTION:

1) EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (C) MEASURE RAINFALL ONCE EACH 24 HOUR PERIOD AT THE SITE. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

2) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER: (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION: (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION: AND (C) STRUCTURAL CONTROL MEASURES, EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

3) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING CONSTRUCTION THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

4) BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

5) A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(4). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.

RETENTION OF RECORDS:

1) THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI: A) A COPY OF ALL NOTICES OF INTENT SUBMITTED TO ADEQ;

B) A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT: C) THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART

IV.A.5. OF THIS PERMIT; D) A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT; E) A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2.

OF THIS PERMIT: AND F) DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.

2) COPIES OF ALL NOI'S, NOT'S, REPORTS, PLANS, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO FITHER PRODUCED OR LISED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

WASTE DISPOSAL:

1) WASTE MATERIALS: ALL WASTE MATERIALS WILL BE COLLECTED AND STORED TO BE PROPERLY DISPOSED OF AT A LICENSED SOLID WASTE MANAGEMENT COMPANY, LOCATE WASTE COLLECTION AREAS AWAY FROM STREETS, GUTTERS, WATERCOURSES. AND STORM DRAINS. WASTE COLLECTION AREAS, SUCH AS DUMPSTERS, ARE OFTEN BEST LOCATED NEAR CONSTRUCTION SITE ENTRANCES TO MINIMIZE TRAFFIC ON DISTURBED SOIL. DISPOSAL SHALL BE PERIODICALLY AS NEEDED. NO CONSTRUCTION MATERIALS WILL BE BURIED ONSITE ALL PERSONNEL WILL BE INSTRUCTED CONCERNING WASTE DISPOSAL. THE CONTRACTOR WILL BE RESPONSIBLE FOR THIS INSTRUCTION, AND WILL BE RESPONSIBLE FOR SEEING THAT THESE INSTRUCTIONS ARE

2) HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

3) SANITARY WASTE: IF NEEDED, PORTABLE UNITS WILL BE USED TO COLLECT SANITARY WASTE. ALL SANITARY WASTE TO BE DISPOSED OF PROPERLY ACCORDING TO STATE AND FEDERAL CODE. A MINIMUM OF ONE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON SITE.

SPILL PREVENTION AND CONTROL NOTES:

1) PETROLEUM PRODUCTS: ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

2) FERTILIZERS: FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A CLEAN, DRY PLACE. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

3) PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

4) AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB

5) ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS.

6) PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL

7) SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER

8) WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER 9) MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED

10) THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

11) THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:

A) PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE.

B) ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED. C) IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

12) MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

13) MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS AS APPROPRIATE.

14) ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

15) THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

16) SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.

17) THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RE-OCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

18) THE CONTRACTOR RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS. WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR, ANY SPILL SHALL BE REPORTED TO HIM FOR IMMEDIATE ACTION AS SOON AS THE SPILL IS DISCOVERED.

19) THERE SHALL NOT BE A CONCRETE WASH AREA ON-SITE. IF SO, IT SHALL BE LOCATED IN AN UPLAND AREA AWAY FROM DRAINAGE AREAS FOR WASH FACILITY. CONTAIN WITH BARRICADES IF STORAGE IS CONDUCED ON-SITE.

20) FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER) OR FOR SPILLS OF AN UNKNOWN AMOUNT. THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HRS., 1-800-426-2675.

1) NATURE OF THE CONSTRUCTION ACTIVITY = DEMOLITION, CLEARING & GRUBBING, AND RETAIL DEVELOPMENT

2) EXISTING TOPOGRAPHIC MAP = SEE SHEET SERIES V-1

3) PLAN INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER MAJOR GRADING ACTIVITIES = SEE SHEET C-2

4) PLAN INDICATING AREAS OF SOIL DISTURBANCE = SEE SHEET SERIES C-2

5) SEE SHEET SERIES C-4 FOR ALL STRUCTURAL AND NONSTRUCTURAL BMP'S.

6) IDENTIFICATION OF RECEIVING WATER(S) = ARKANSAS RIVER

7) BUFFERED STATE WATERS PRESENT ON SITE = N/A 8) WETLAND ACREAGE AT THE SITE = N/A

9) NO PORTION OF THE SUBJECT PROPERTY LIES WITHIN A 100 YEAR FLOOD HAZARD AREA PER FIRM MAP NUMBER 05007C0260K DATED 06/05/2012

10) NAMES AND ADDRESSES OF ALL SECONDARY PERMITTEES = N/A

11) DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE = SEE



STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION FEE FOR SERVICE

CS PROJECT NUMBER: 073620



f | 888.765.8135

Foresite Group, Inc o | 214.939.7123 1999 Bryan St. Suite 890 w | www.fg-inc.net Dallas, TX 75201



1120 S. WALTON BOULEVARD, SUITE 142

BENTONVILLE, AR 72712

TEL (479) 845-4637

CONTACT: MR. JOSH KNOTT

SEAL **FORESITE** GROUP, INC.

REVISIONS:

DRAWING BY:

SHEET NUMBER

DATE:

TITLE:

JOB NUMBER:

11/13/2015

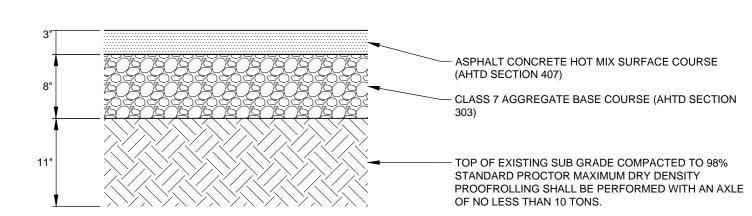
163.257

COMMENTS:

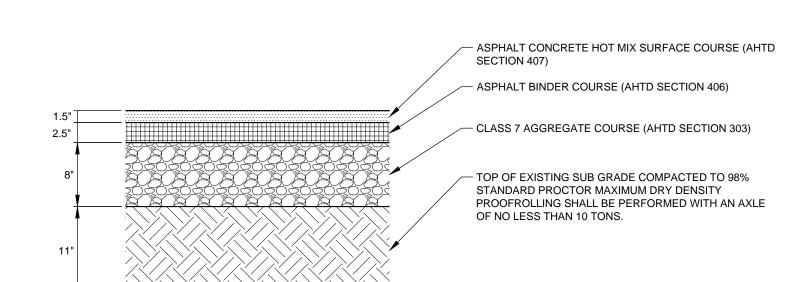
NOT RELEASED FOR CONSTRUCTION



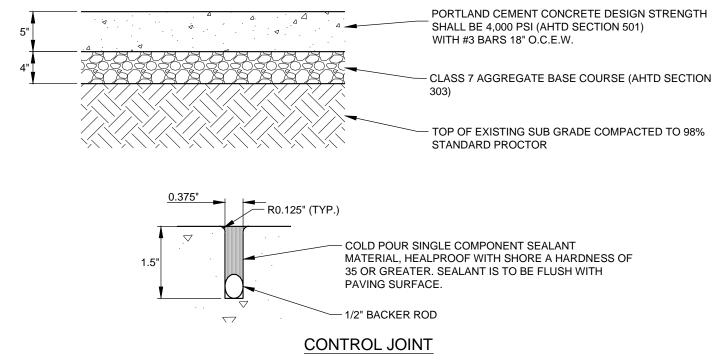
SEE SHEET SERIES C-4 FOR EROSION AND SEDIMENTATION CONTROL PLANS



STANDARD DUTY ASPHALT PAVING NOT TO SCALE



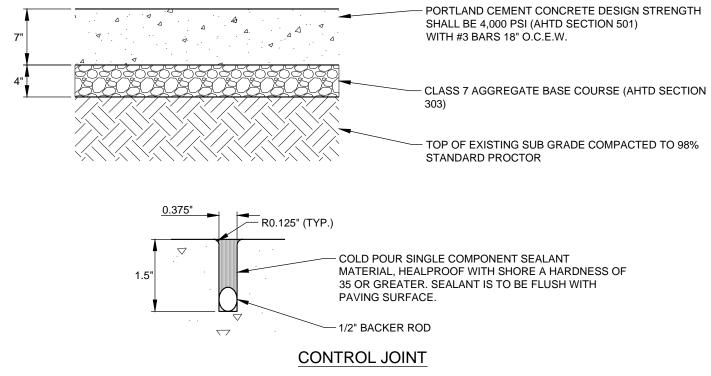
HEAVY DUTY ASPHALT PAVING



1. DETAIL REFLECTS STANDARD DUTY CONCRETE PAVING RECOMMENDATION BY PROJECT GEOTECHNICAL ENGINEER. . A TACK COAT SHALL BE APPLIED BETWEEN THE H/D SECTION AND THE ON-SITE ASPHALT SECTION. CONCRETE EXPANSION JOINTS SHALL BE LOCATED AT NO LESS THAN 15' ON CENTER. THE JOINTS SHALL EXTEND TO A DEPTH 1/4 OF THE SLAB THICKNESS. IF SAW CUTTING THE JOINTS IS TO BE EMPLOYED, THE JOINTS SHOULD BE CUT WHILE THE CONCRETE IS STILL "GREEN" AND AS SOON AFTER PLACEMENT AS THE EQUIPMENT CAN BE MOVED ONTO THE PAVEMENT WITHOUT

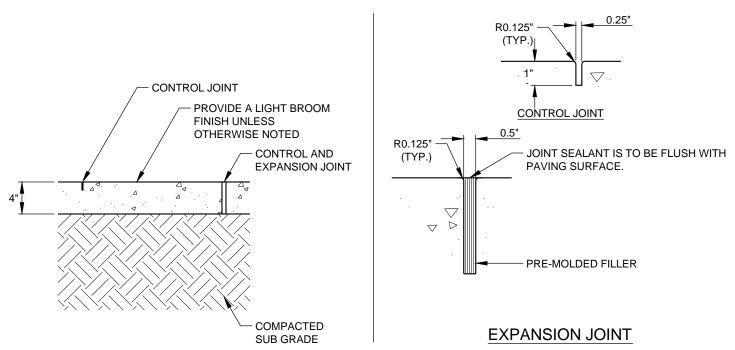
STANDARD DUTY CONCRETE PAVING NOT TO SCALE

DISTURBING THE CONCRETE FINISH.



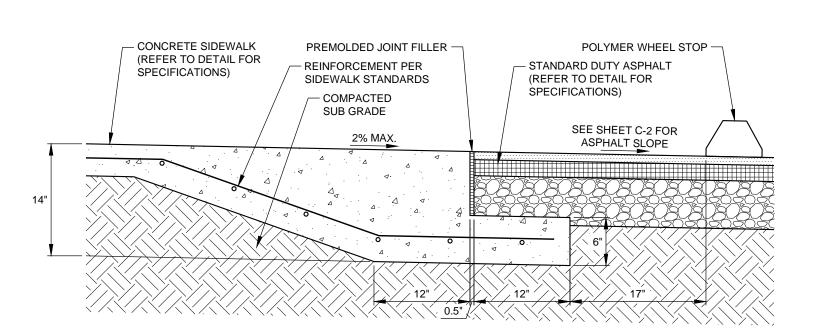
1. DETAIL REFLECTS HEAVY DUTY CONCRETE PAVING RECOMMENDATION BY PROJECT GEOTECHNICAL ENGINEER.
2. A TACK COAT SHALL BE APPLIED BETWEEN THE H/D SECTION AND THE ON-SITE ASPHALT SECTION. CONCRETE EXPANSION JOINTS SHALL BE LOCATED AT NO LESS THAN 15' ON CENTER. THE JOINTS SHALL EXTEND TO A DEPTH 1/4 OF THE SLAB THICKNESS. IF SAW CUTTING THE JOINTS IS TO BE EMPLOYED, THE JOINTS SHOULD BE CUT WHILE THE CONCRETE IS STILL "GREEN" AND AS SOON AFTER PLACEMENT AS THE EQUIPMENT CAN BE MOVED ONTO THE PAVEMENT WITHOUT DISTURBING THE CONCRETE FINISH.

HEAVY DUTY CONCRETE PAVING NOT TO SCALE

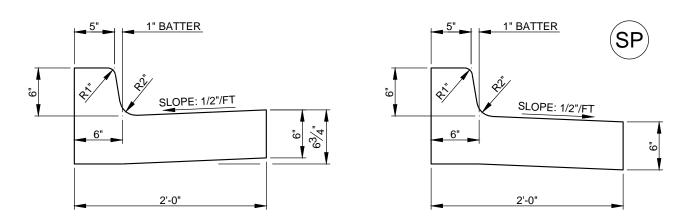


1. UNLESS OTHERWISE INDICATED, PREFORMED EXPANSION JOINTS TO BE 40'-0" O.C. MAX. OR AT BACK OF CURB, CHANGE OF DIRECTION, OTHER WALK UTILITY APPURTENANCE, OR FACE OF STRUCTURE.

3. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 1/4" PER FT.



CONCRETE SIDEWALK / ASPHALT TRANSITION



1/2" PRE FORMED EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND RADIUS POINTS. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS = 40.0'

MAXIMUM DISTANCE DUMMY JOINTS = 10.0' 4. CONCRETE STRENGTH = 3000 P.S.I., SLOPE = 2" MAX. FINISH SHALL BE SMOOTHED AND EVENED WITH

24" CONCRETE CURB AND GUTTER C-5 NOT TO SCALE



STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION

CS PROJECT NUMBER: 073620

ENGINEER:

DEAL TYPE:

Foresite Group, Inc. 1999 Bryan St. Suite 890 Dallas, TX 75201

o | 214.939.7123 **f |** 888.765.8135 w | www.fg-inc.net

FEE FOR SERVICE

CONSULTANT:



BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637



REVISIONS:

DRAWING BY:

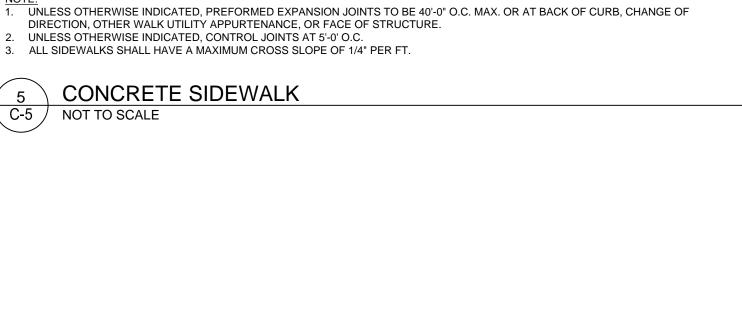
DATE: 11/13/2015 163.257 JOB NUMBER:

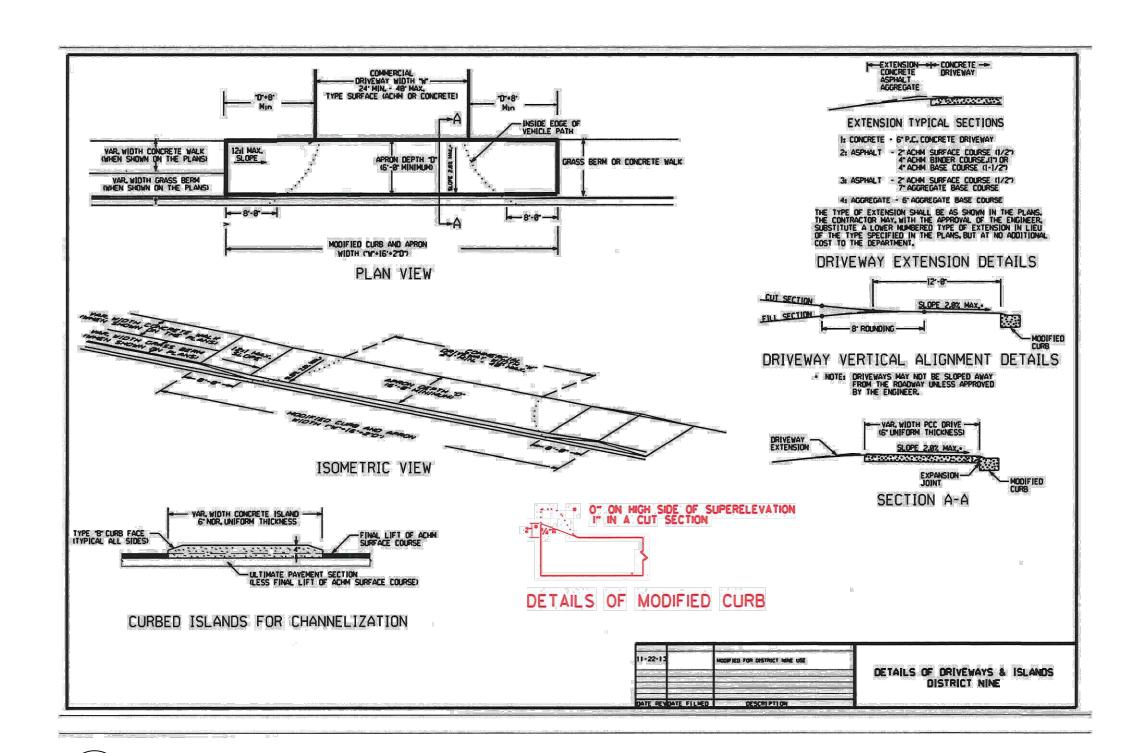
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TITLE:

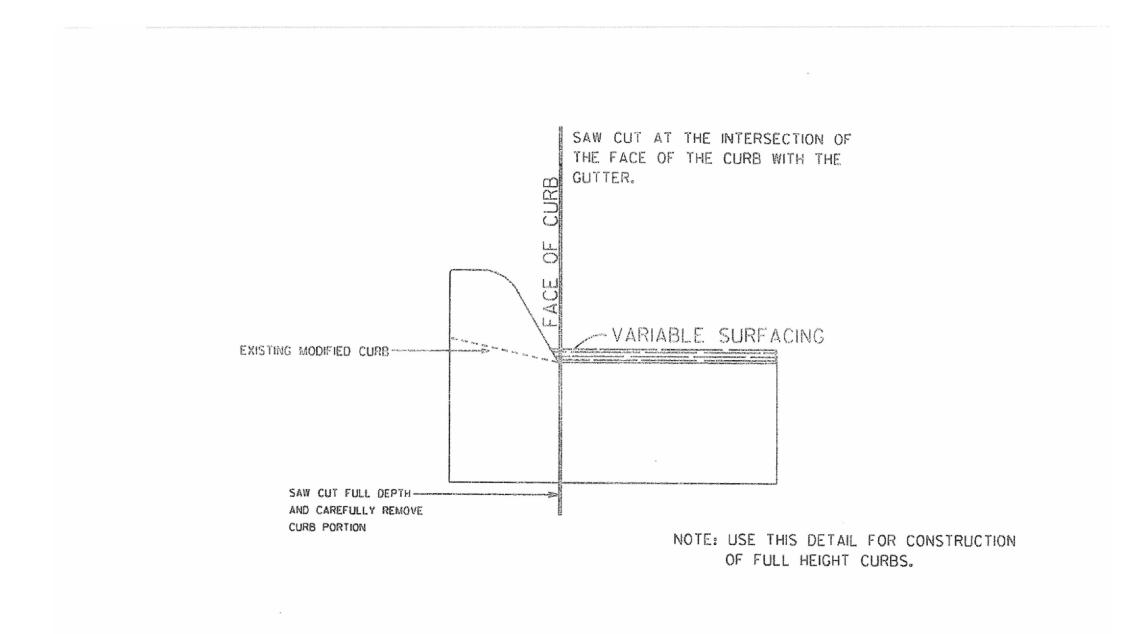


COMMENTS:



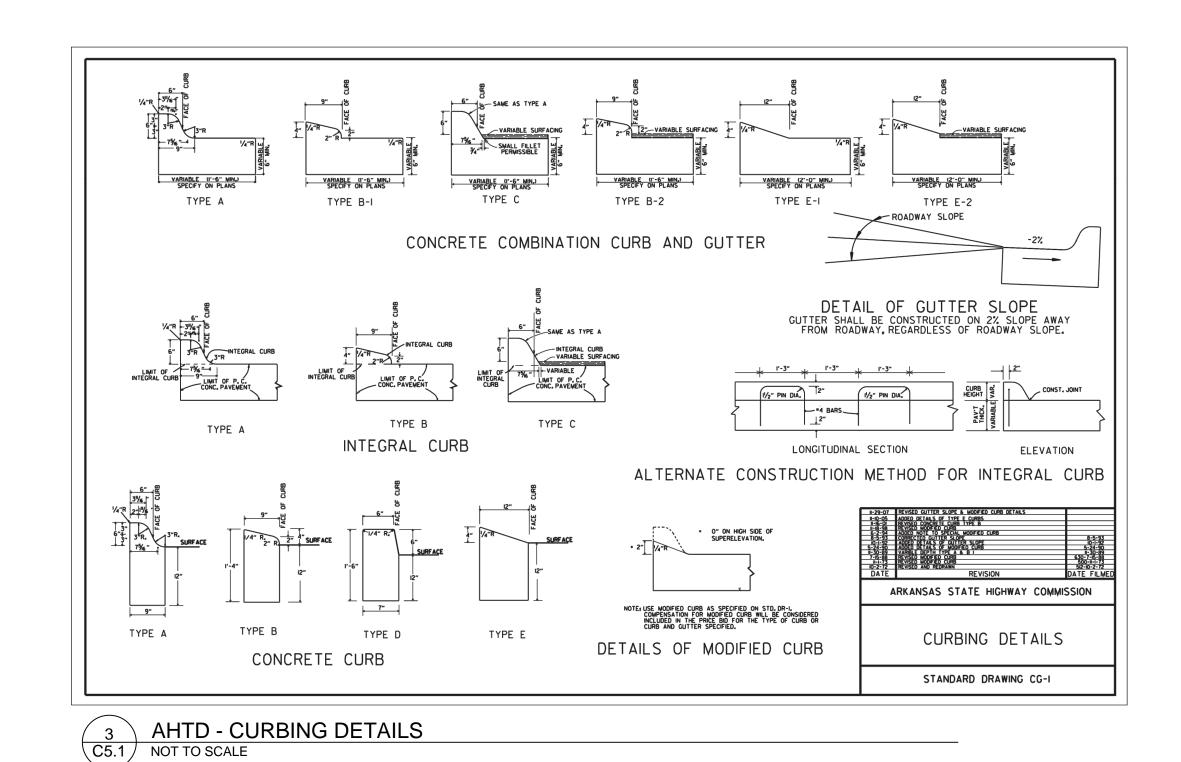


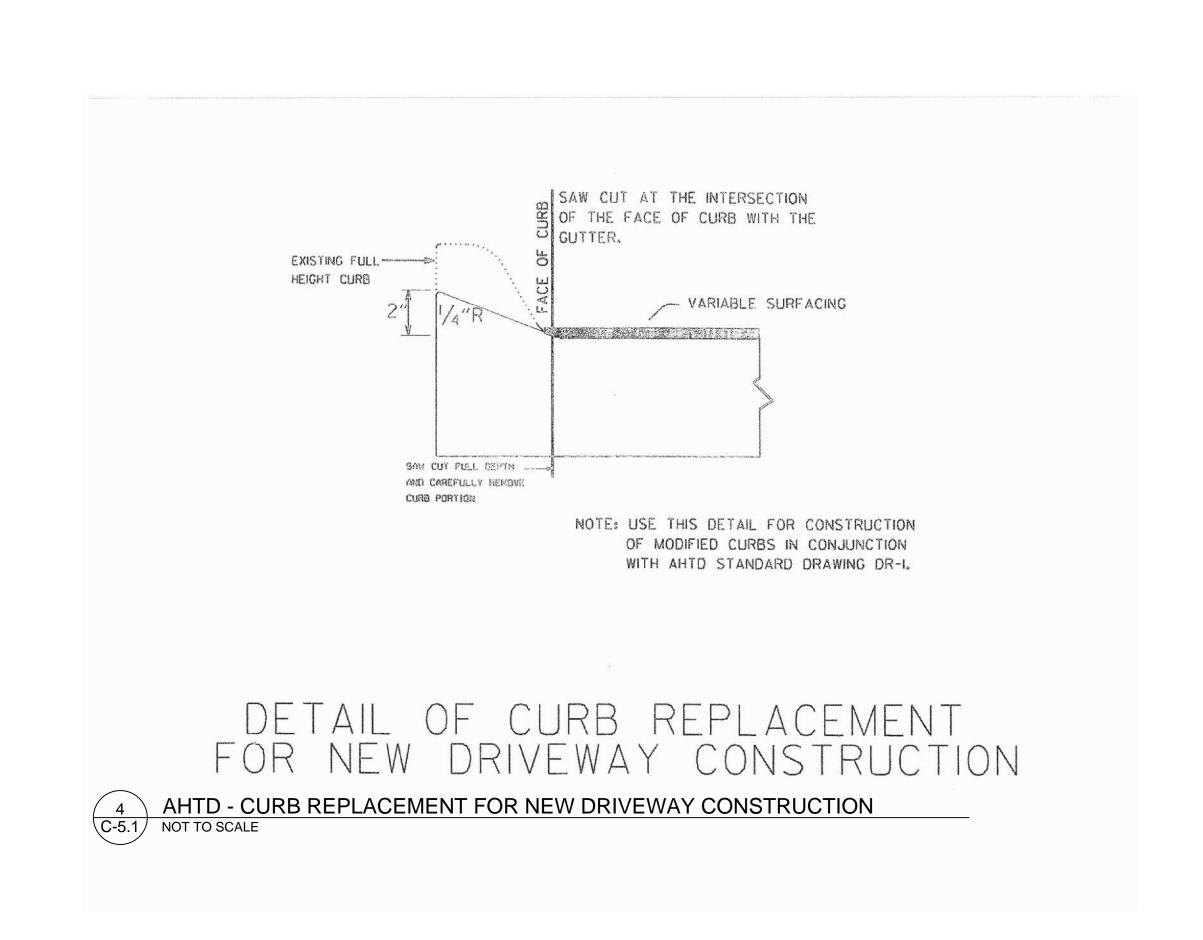




DETAIL FOR REPLACEMENT OF EXISTING DRIVEWAY REMOVAL









CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET
ROGERS, BENTON CO., ARKANSAS 72756
PROJECT TYPE: NEW CONSTRUCTION
DEAL TYPE: FEE FOR SERVICE

CS PROJECT NUMBER: 073620

ENGINEER:

FORESITI grou

Foresite Group, Inc. 1999 Bryan St. Suite 890

Dallas, TX 75201

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CONSULTANT:

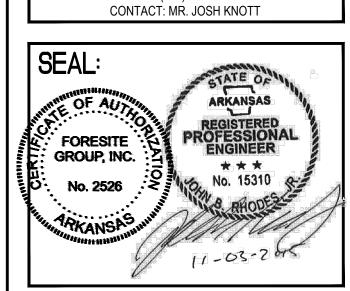


BOOS DEVELOPMENT GROUP, INC.

1120 S. WALTON BOULEVARD, SUITE 142

BENTONVILLE, AR 72712

TEL (479) 845-4637



REVISIONS:

DRAWING BY:

JOB NUMBER:

PAVING DETAILS AHTD

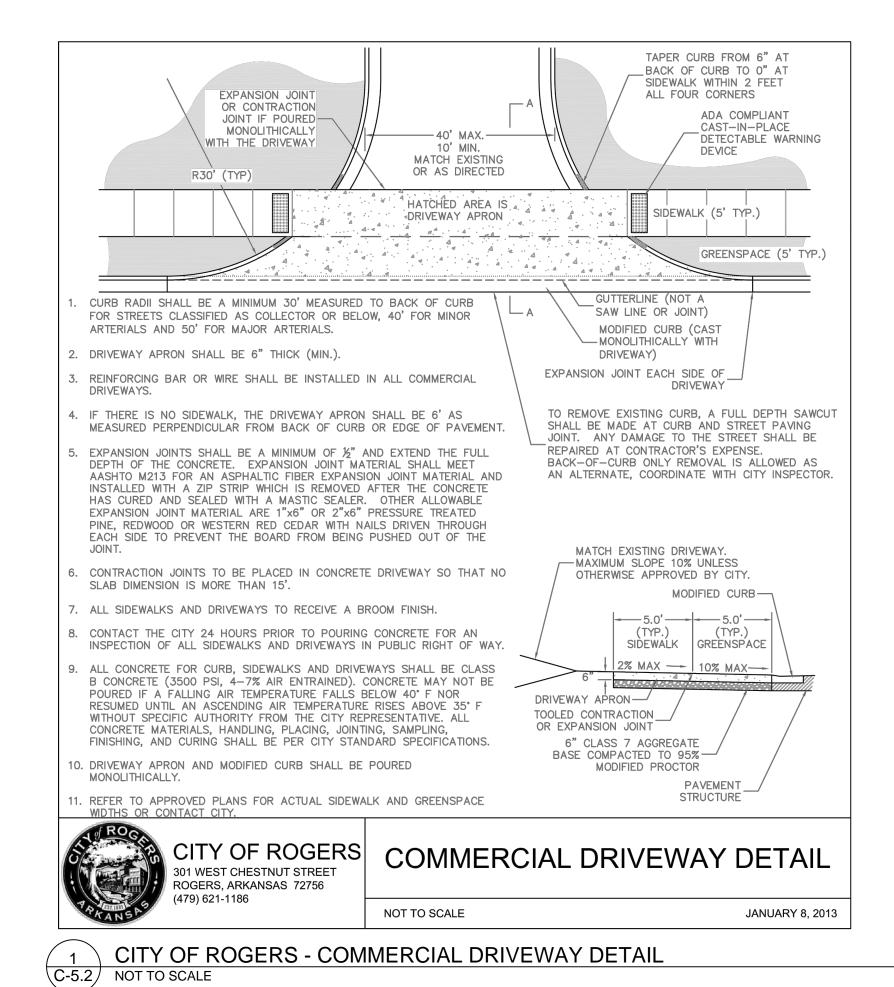
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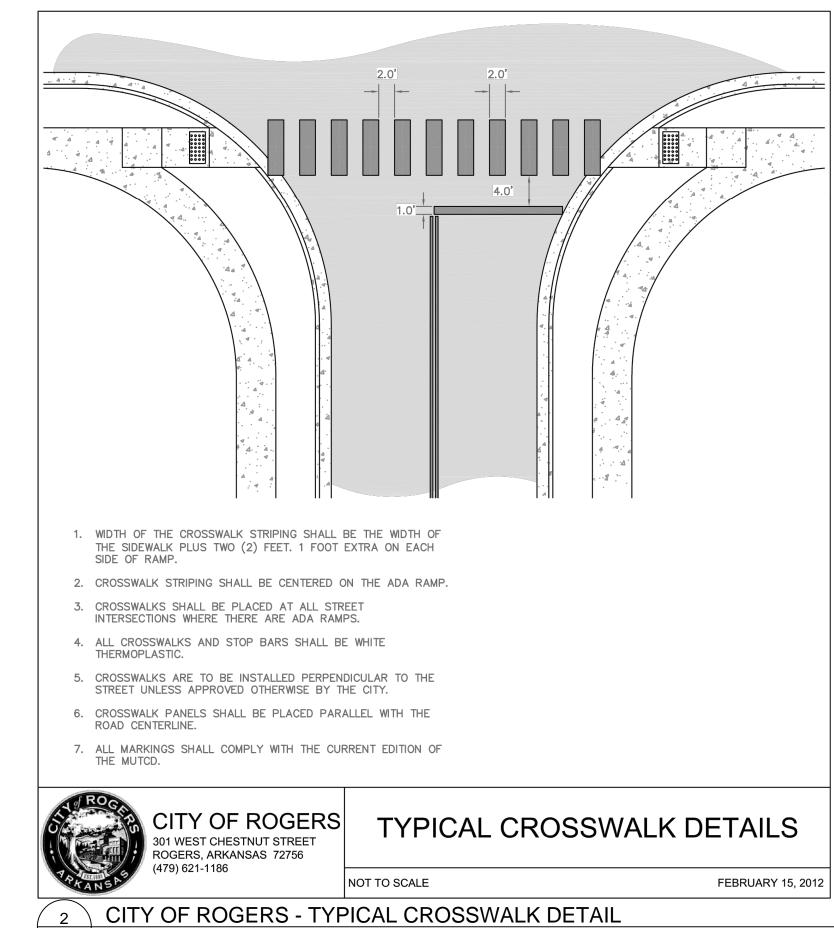
C-5.

11/13/2015

163.257

COMMENTS:





C-5.2 NOT TO SCALE



CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION DEAL TYPE: FEE FOR SERVICE

CS PROJECT NUMBER: 073620

ENGINEER:

Foresite Group, Inc. 1999 Bryan St. Suite 890

Dallas, TX 75201

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CONSULTANT:



BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712

TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT

SEAL: GROUP, INC.

REVISIONS:

DRAWING BY:

DATE:

11/13/2015

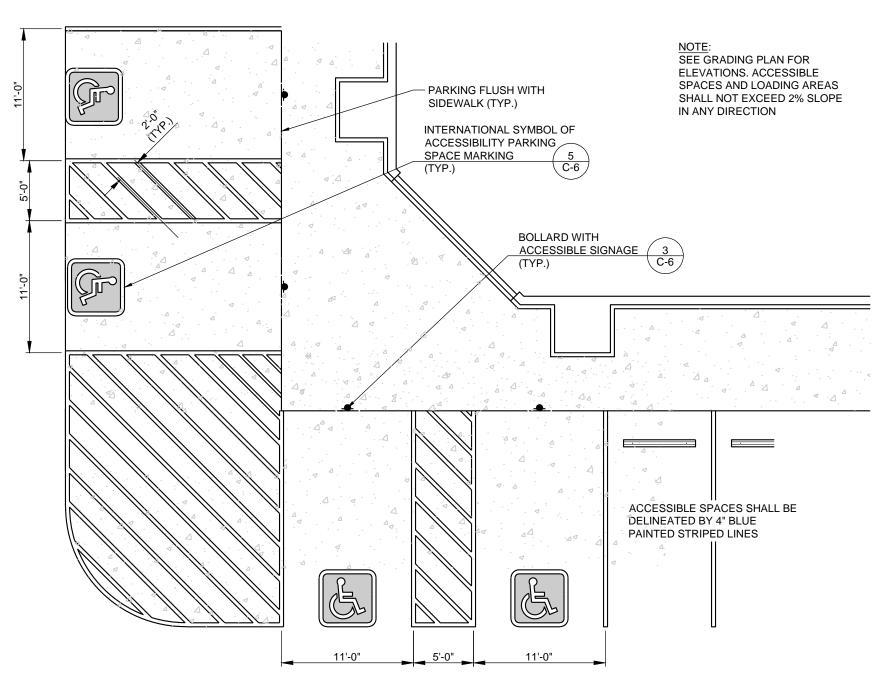
JOB NUMBER:

PAVING DETAILS CITY OF ROGERS

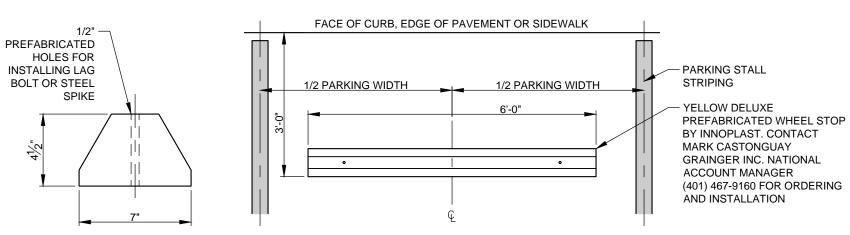
SHEET NUMBER:

163.257

COMMENTS:



ACCESSIBLE PARKING NOT TO SCALE



PLASTIC PARKING BLOCK INSTALLATION INSTRUCTIONS

LAG BOLT METHOD: RECOMMENDED FOR ASPHALT OR CONCRETE TRAFFIC LANES WHERE DRILLING HOLES ARE PERMITTED

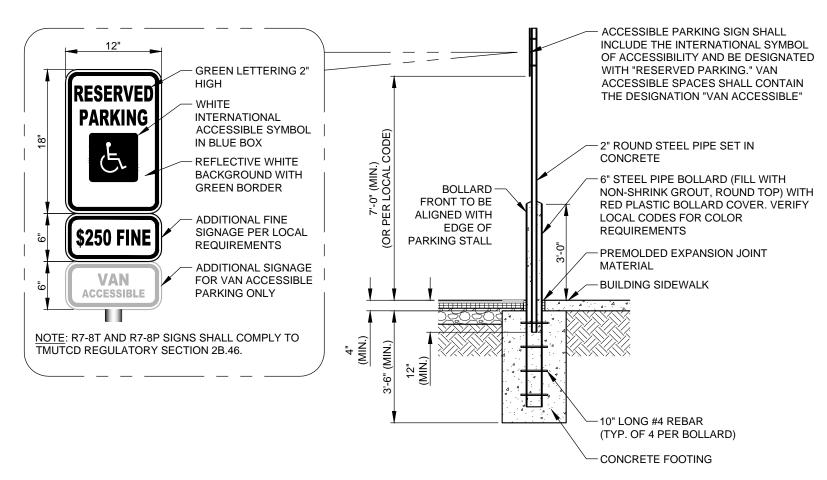
HARDWARE SUPPLIED: 1/2" X 8" LAG BOLT FOR EACH HOLE

(2) 1/2" WASHERS EACH 1/2" LAG ANCHOR

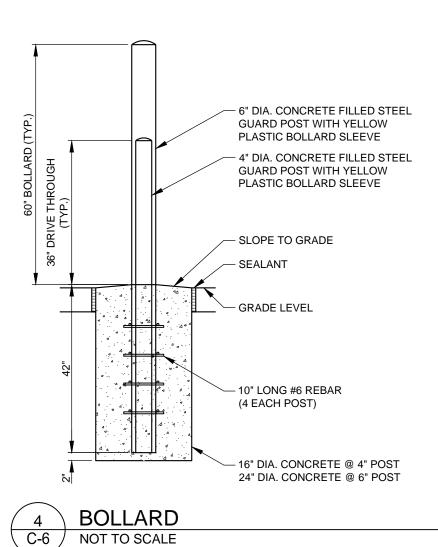
HIGH SPEED HAMMER DRILL WITH /4" MASONRY BIT IMPACT WRENCH OR HEAVY RATCHET WITH 3/4" SOCKET.

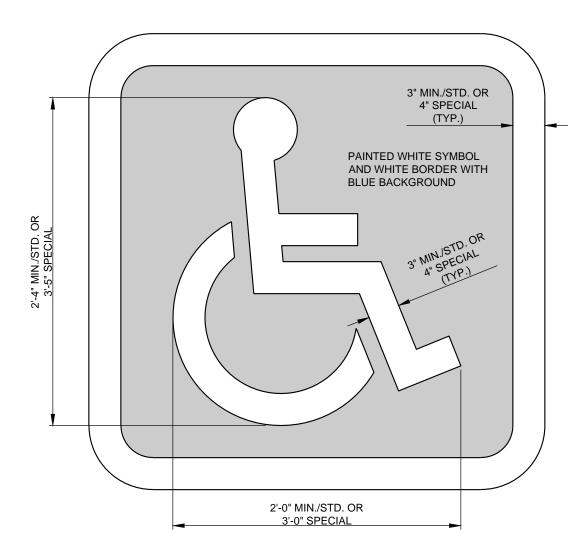
- 1. CLEAN THE SURFACE SO THAT IT IS FREE FROM DIRT.
- 2. PLACE THE PARKING BLOCK IN ITS INSTALLATION POSITION AND MARK THE LOCATION OF EACH HOLE USING THE PRE-DRILLED HOLES AS A TEMPLATE. 3. REMOVE THE PARKING BLOCK. USING A HIGH-SPEED HAMMER DRILL WITH A 3/4" MASONRY BIT, DRILL A HOLE AT EACH MARKED LOCATION TO A DEPTH OF 3 1/2" BELOW THE SURFACE.
- INSERT LAG ANCHOR INTO EACH HOLE (LARGE ANCHOR OPENING ON TOP). TAP THE ANCHOR INTO THE HOLE WITH A HAMMER SO THAT THE ANCHORS
 ARE SET FLUSH WITH THE SURFACE. PLACE A WASHER OVER EACH ANCHOR HOLE. 5. REPOSITION THE PARKING BLOCK IN ITS INSTALLATION POSITION. SLIP A WASHER ONTO A LAG BOLT, INSERT THE BOLT THROUGH A PRE-DRILLED HOLE IN THE PARKING BLOCK AN TIGHTEN THE BOLT ABOUT THREE QUARTERS OF THE WAY WITH THE 3/4" SOCKET. REPEAT FOR EACH HOLE IN THE PARKING BLOCK. FINISH TIGHTENING EACH BOLT UNTIL JUST SNUG. **DO NOT OVER TIGHTEN!** EXCESSIVE TIGHTENING MAY DAMAGE THE BUMP AND VOID THE PRODUCT WARRANTY.



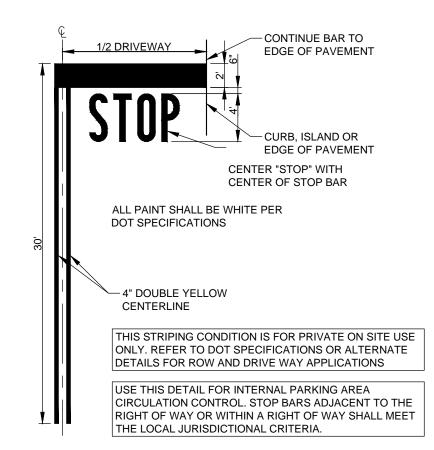


BOLLARD ACCESSIBLE SIGNAGE NOT TO SCALE

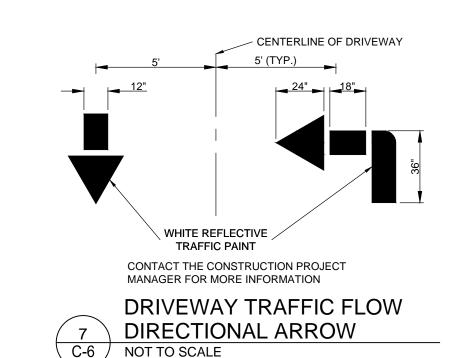


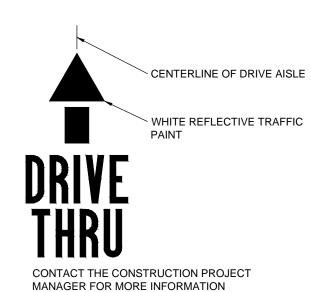


INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING NOT TO SCALE

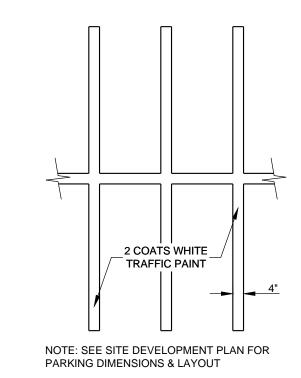




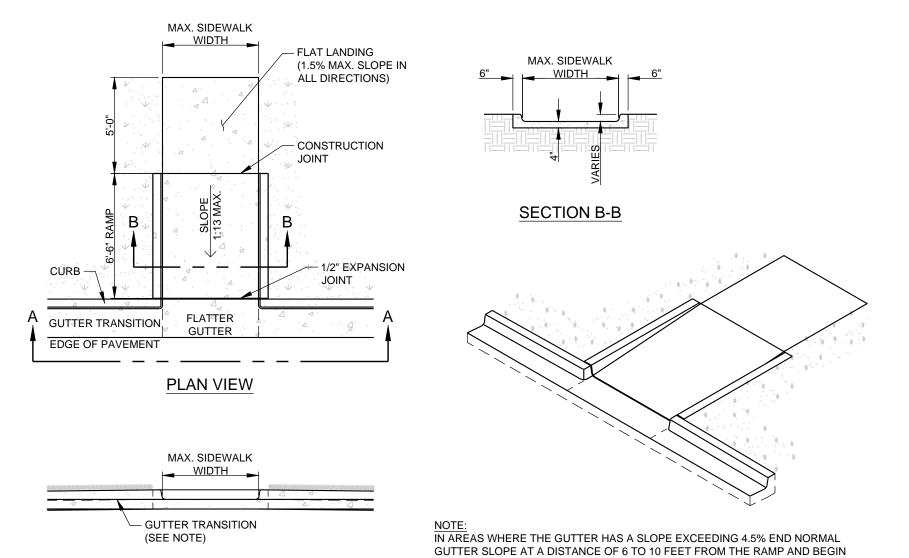




DRIVE THROUGH MARKING NOT TO SCALE



PAVEMENT STRIPING NOT TO SCALE



TRANSITION TO A FLATTER GUTTER (4.5% SLOPE MAX.) NORMAL GUTTER SLOPE

SHALL BE RESUMED AT A SIMILAR DISTANCE BEYOND THE RAMP

ACCESSIBLE CURB RAMP NOT TO SCALE

SECTION A-A



STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756

PROJECT TYPE: NEW CONSTRUCTION DEAL TYPE: FEE FOR SERVICE

CS PROJECT NUMBER: 073620

10816

ENGINEER:

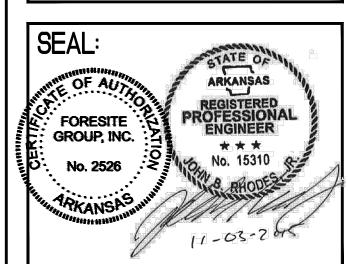
Foresite Group, Inc. 1999 Bryan St. Suite 890

o | 214.939.7123 **f |** 888.765.8135 w | www.fg-inc.net Dallas, TX 75201

CONSULTANT:

DEVELOPER

BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT



REVISIONS:

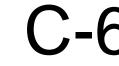
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JOB NUMBER: TITLE:

CONSTRUCTION DETAILS

SHEET NUMBER:

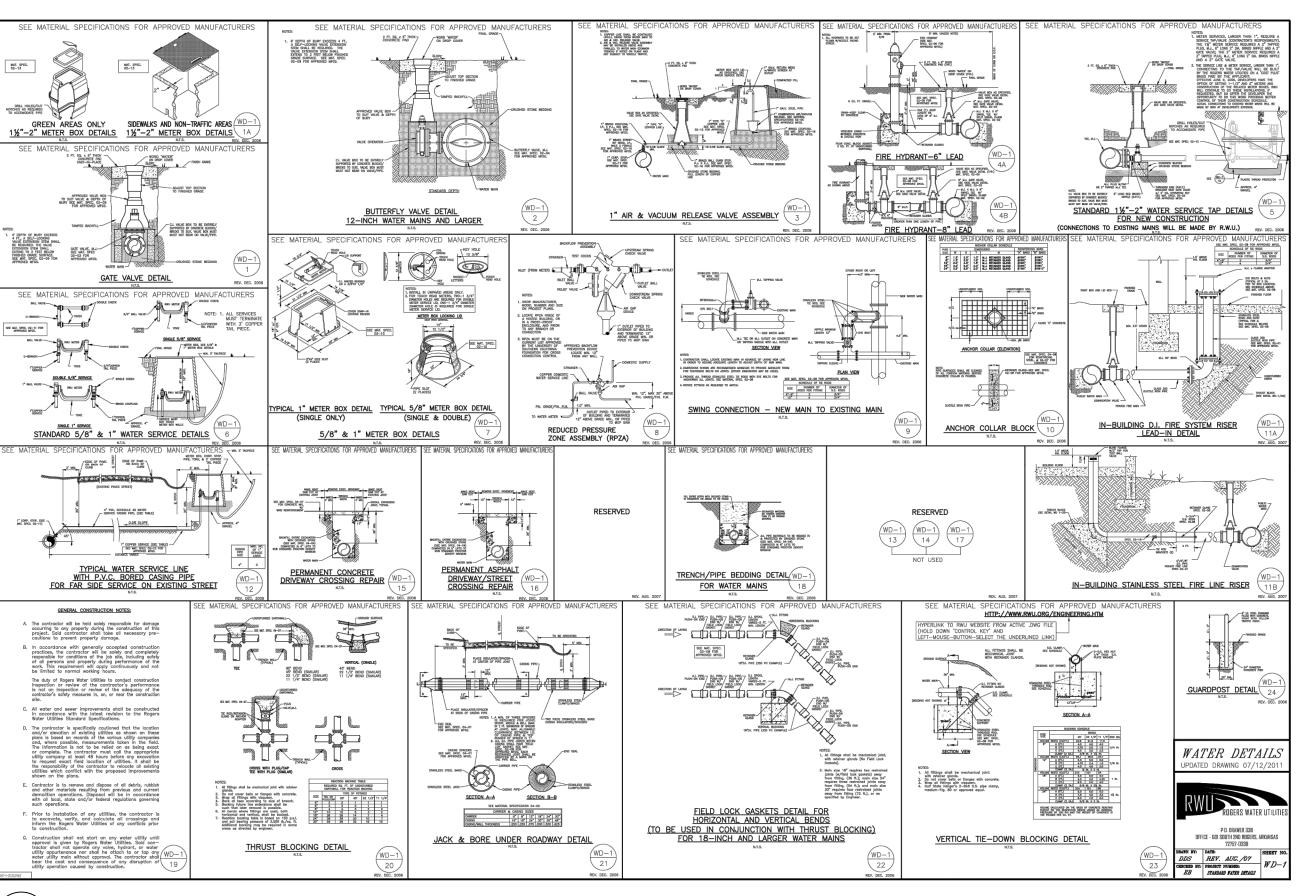
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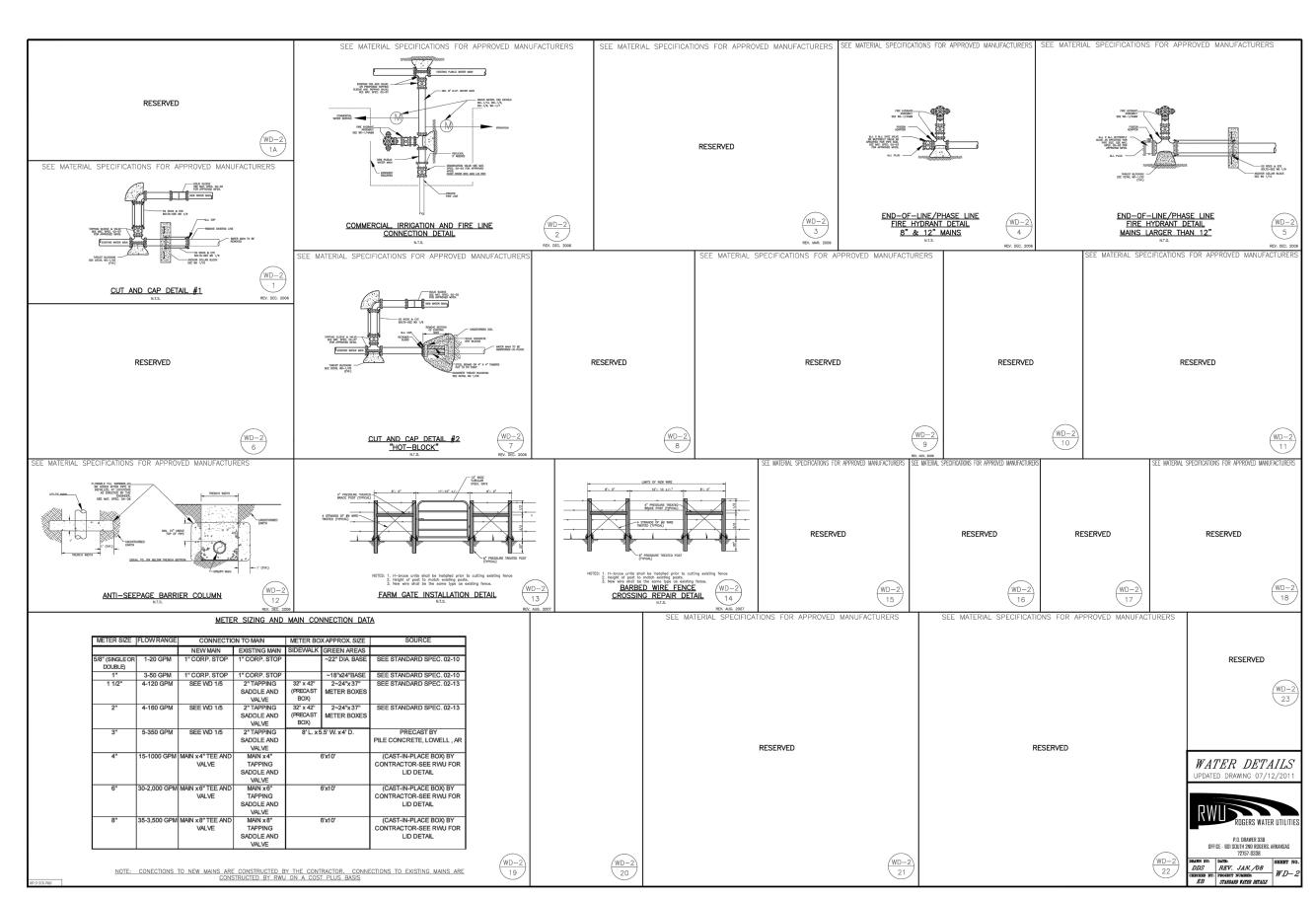
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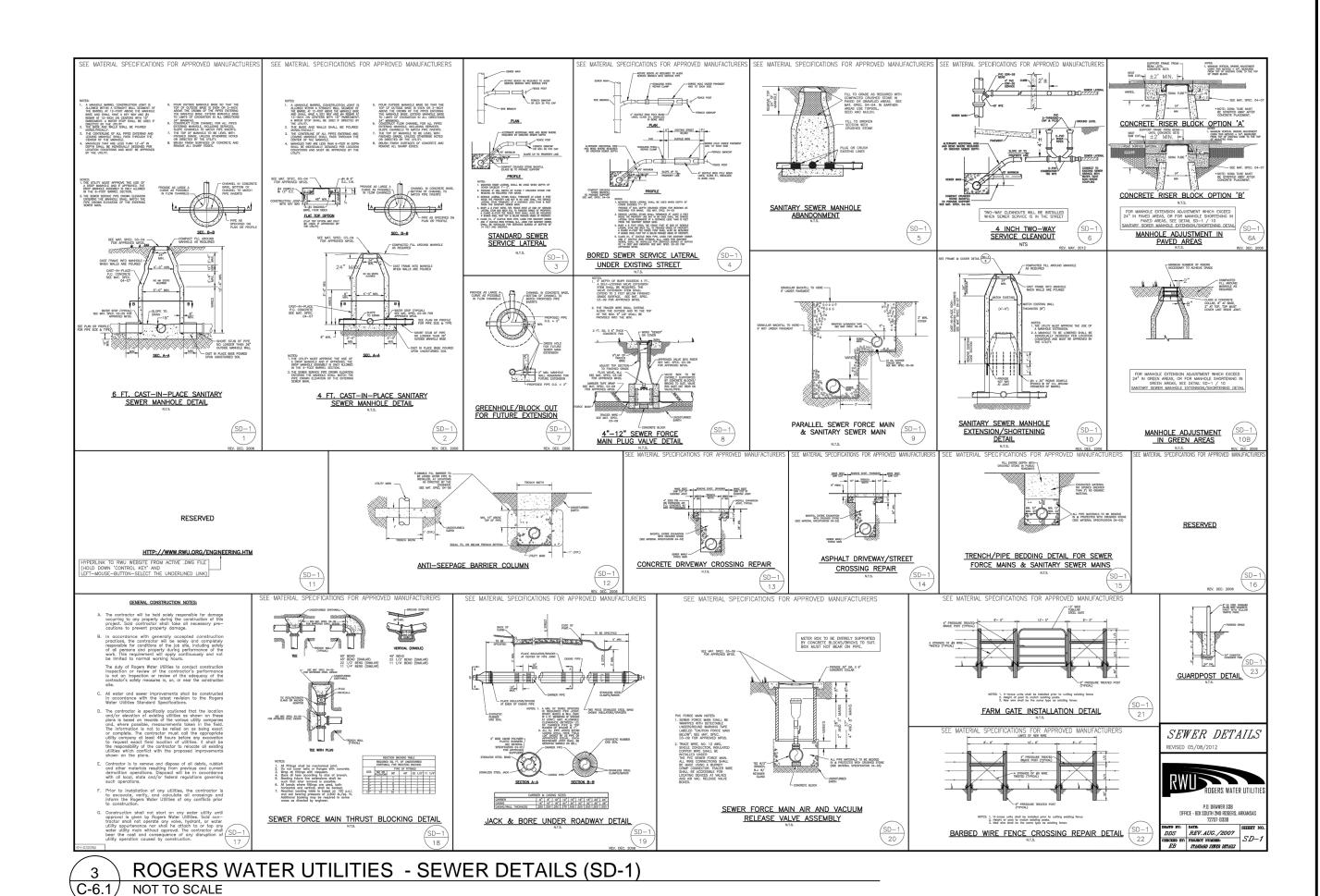
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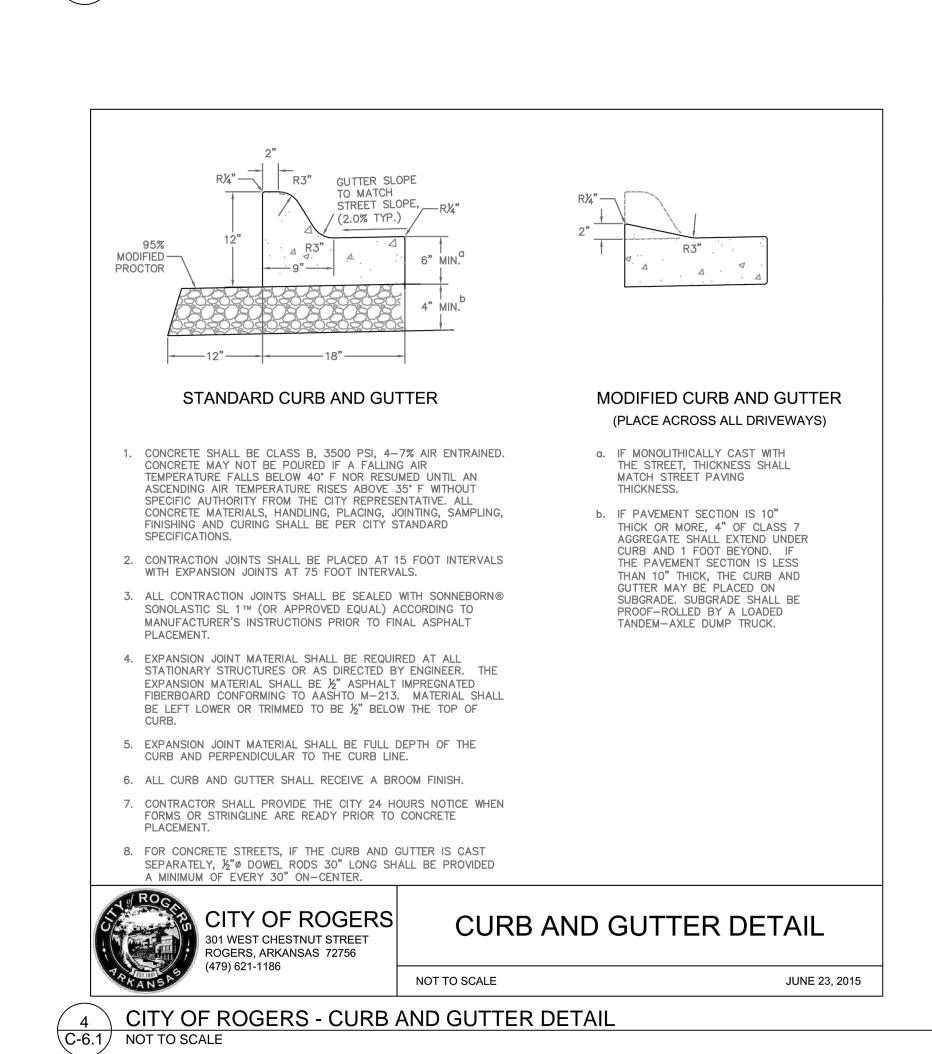


1 ROGERS WATER UTILITIES - WATER DETAILS (WD-1)
C-6.1 NOT TO SCALE



2 ROGERS WATER UTILITIES - WATER DETAILS (WD-2)
C-6.1 NOT TO SCALE







STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

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ROGERS, BENTON CO., ARKANSAS 72756
PROJECT TYPE: NEW CONSTRUCTION
DEAL TYPE: FEE FOR SERVICE

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FORESI

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Dallas, TX 75201

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| CONSULTANT:



BOOS DEVELOPMENT GROUP, INC.

1120 S. WALTON BOULEVARD, SUITE 142
BENTONVILLE, AR 72712
TEL (479) 845-4637

CONTACT: MR. JOSH KNOTT

SEAL:

STATE OF AUXILIARITY OF AUXIL

 DRAWING BY:
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 DATE:
 11/13/2015

 JOB NUMBER:
 163.257

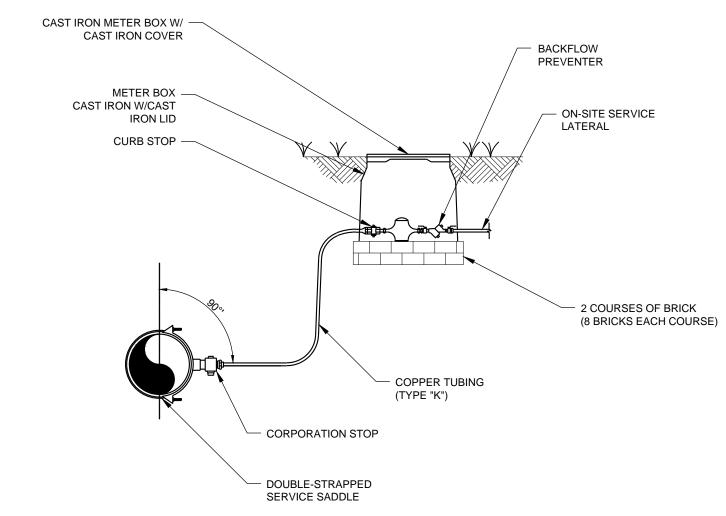
CONSTRUCTION DETAILS

SHEET NUMBER:

TITLE:

C-6.1

COMMENTS:

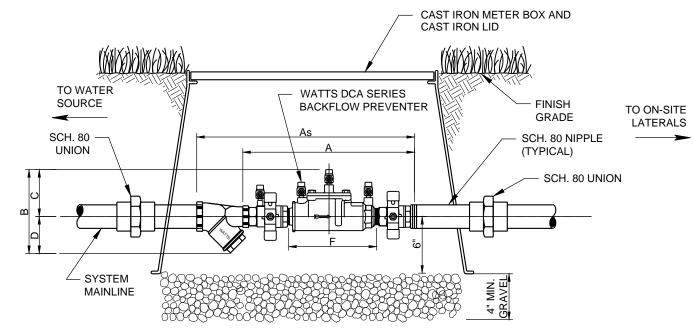


DIMENSIONS (INCHES) CONTRACTOR TO COMPLY WITH ALL
 14-1/2
 6-1/8
 3-1/8
 3
 6-3/16

 17-15/16
 7-3/4
 4
 3-1/4
 7-1/2

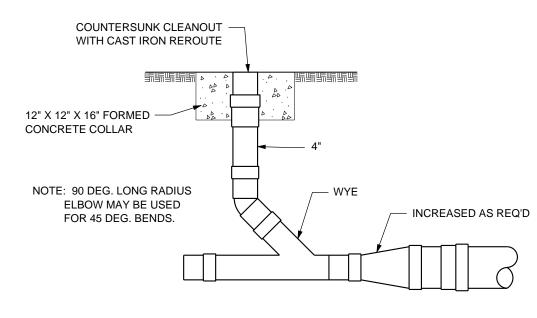
 25-1/16
 7-1/16
 3-1/2
 3-3/4
 9-3/4

 27-1/4
 8-3/4
 4
 4
 13-3/8
 007M3QT-S 11-1/8 007M1QT-S 13-1/4 007M2QT-S 16-3/4 007M1QT-S 19-1/2 3-7/16 3-3/8 5-13/16 6-1/8 LOCAL CODES AND ORDINANCES IN REFERENCE TO INSTALLATION AND VENTING OF BACKFLOW PREVENTION

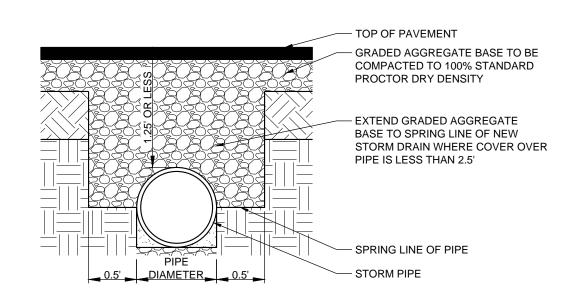


WATER METER AND DOUBLE CHECK VALVE BACKFLOW DEVICE

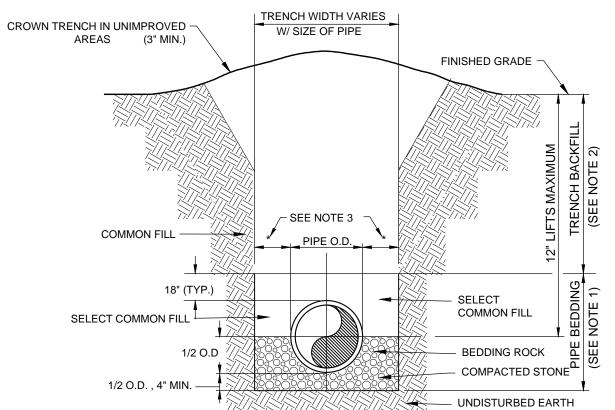
CONTACTOR SHALL SUBMIT BACKFLOW DETAIL TO * LOCAL AUTHORITIES FOR APPROVAL BEFORE STARTING CONSTRUCTION.



CLEANOUT NOT TO SCALE



MINIMUM COVER FOR STORM DRAIN PIPES NOT TO SCALE



NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.

2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.

3. (*): 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX (12" MIN.)FOR PIPE DIAMETER 24" AND LARGER.

4. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.

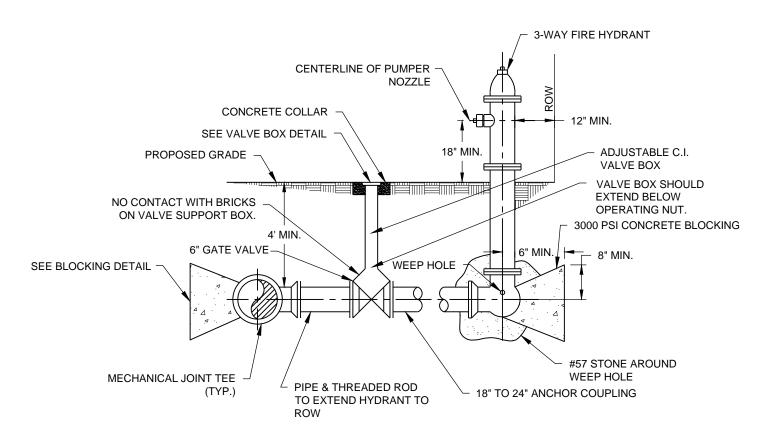
5. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.

6. REFER TO THE SECTION OF THE ALDOT STANDARDS FOR SHEETING AND BRACING IN EXCAVATIONS.

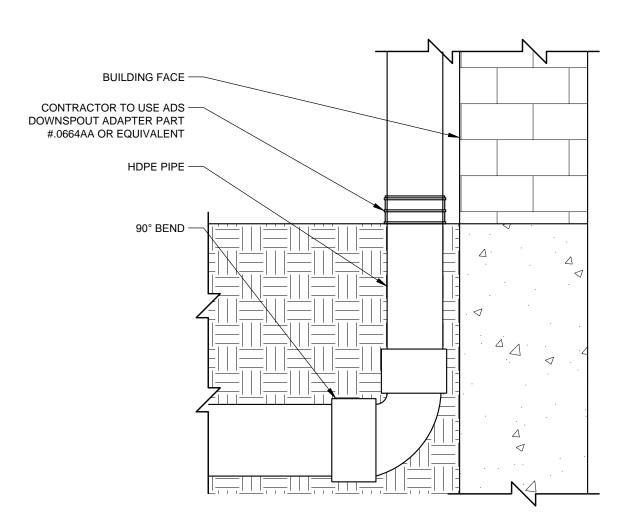
7. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. A CERTIFIED GEOTECHNICAL ENGINEER SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

CLASS B BEDDING AND TRENCHING

NOT TO SCALE



FIRE HYDRANT NOT TO SCALE







STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION FEE FOR SERVICE DEAL TYPE:

CS PROJECT NUMBER: 073620

ENGINEER:

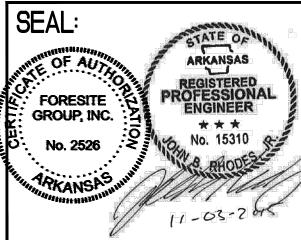
Foresite Group, Inc. 1999 Bryan St. Suite 890

o | 214.939.7123 **f |** 888.765.8135 w | www.fg-inc.net Dallas, TX 75201

CONSULTANT:

BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637

CONTACT: MR. JOSH KNOTT



REVISIONS:

DRAWING BY:

DATE: 11/13/2015 163.257 JOB NUMBER:

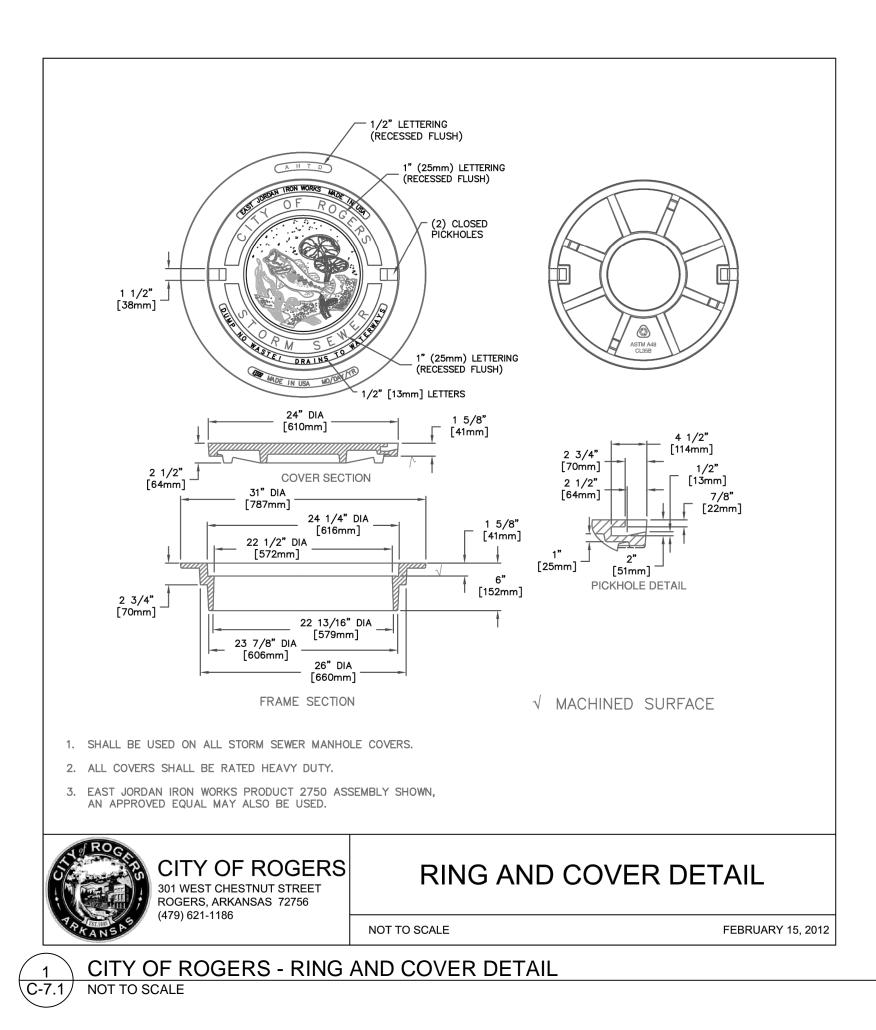
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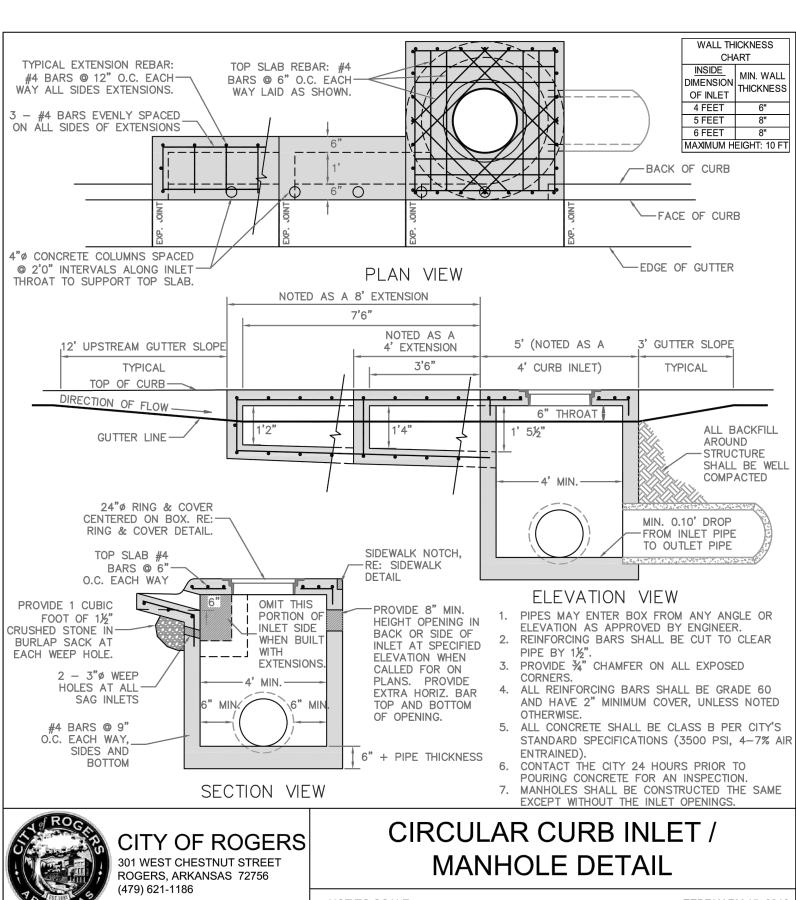
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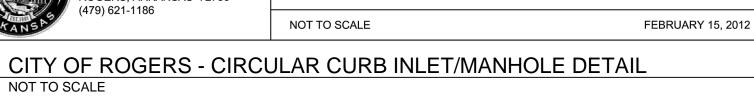
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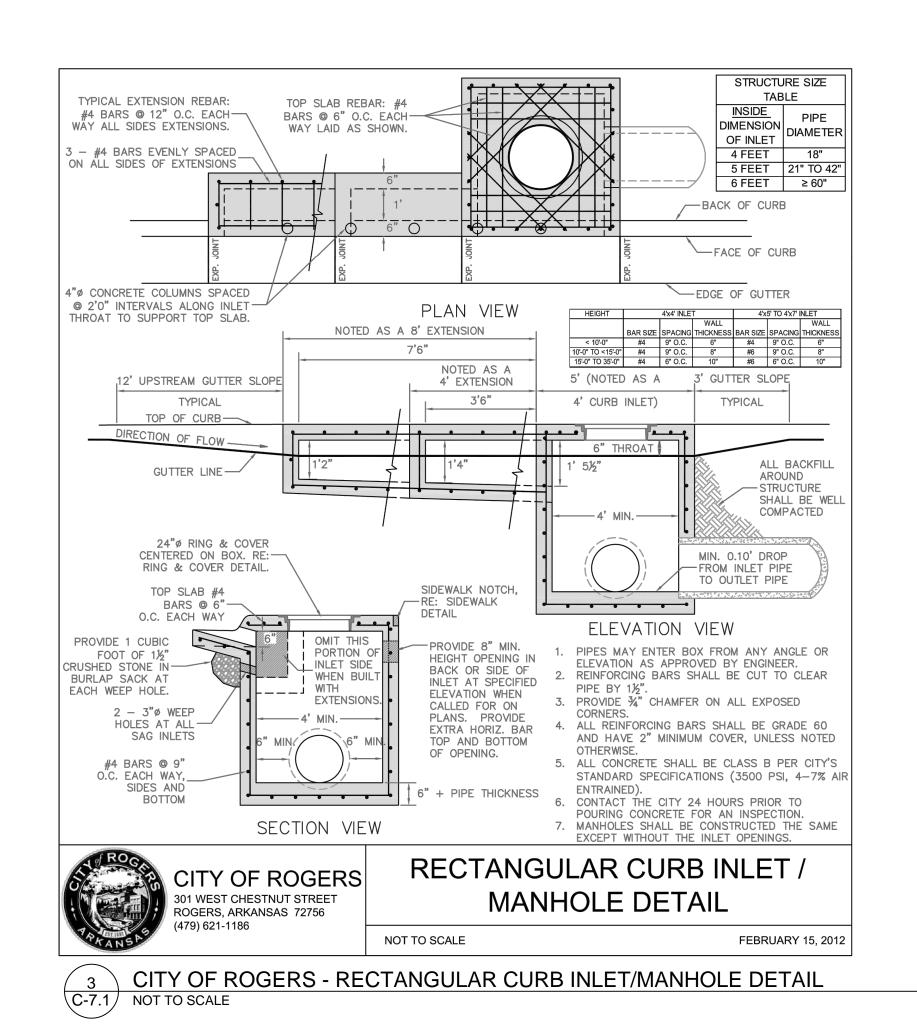
COMMENTS:







C-7.1 NOT TO SCALE





STANDARD 13,225-LEFT CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756 PROJECT TYPE: NEW CONSTRUCTION DEAL TYPE: FEE FOR SERVICE

CS PROJECT NUMBER: 073620

ENGINEER:

Foresite Group, Inc. 1999 Bryan St. Suite 890

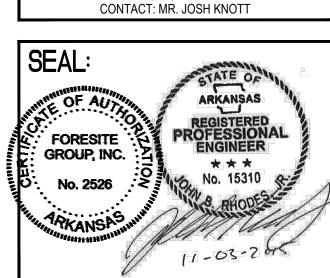
Dallas, TX 75201

o | 214.939.7123 **f |** 888.765.8135 w | www.fg-inc.net

| CONSULTANT:



BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637



REVISIONS:

DRAWING BY: RC DATE: 11/13/2015

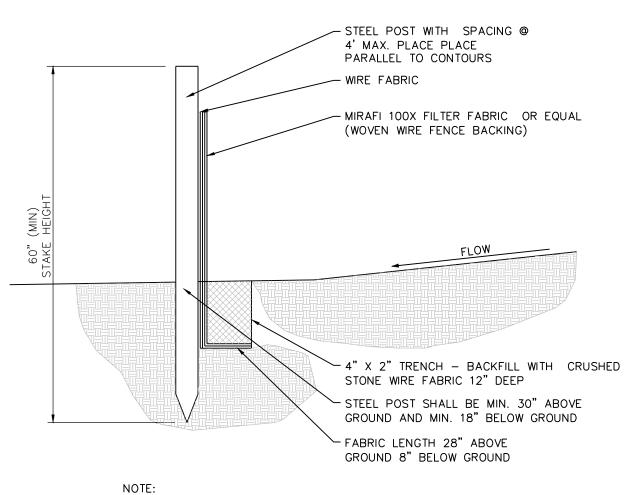
JOB NUMBER: TITLE:

UTILITY DETAILS CITY OF ROGERS

SHEET NUMBER:

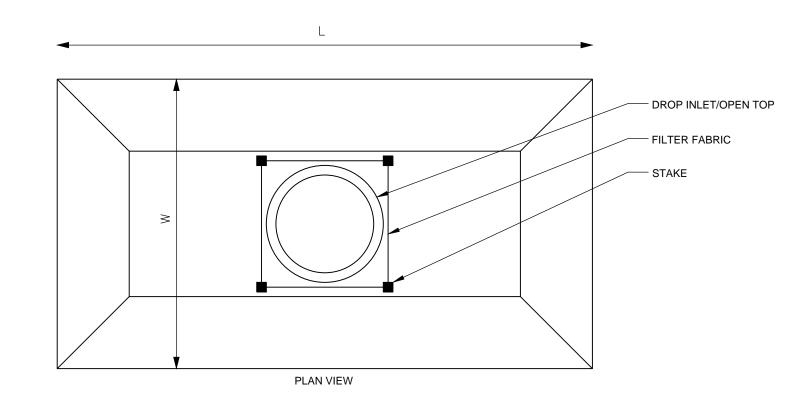
163.257

COMMENTS:

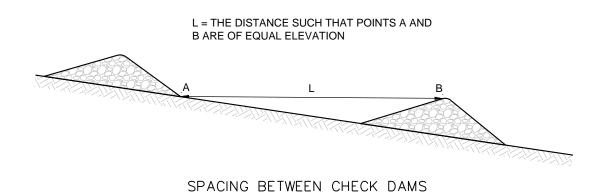


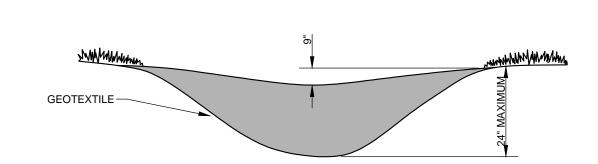
1. FENCE SHALL BE WIRE REINFORCED.

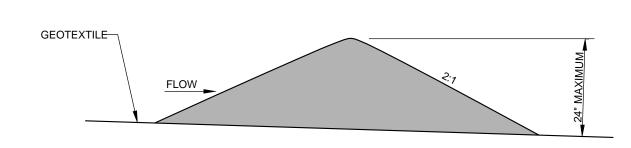
SILT FENCE DETAIL - TYPE C NOT TO SCALE



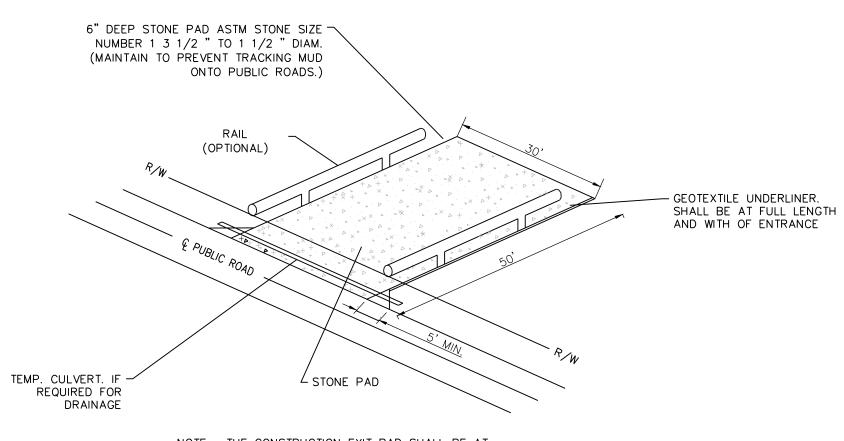
EXCAVATED INLET SEDIMENT TRAP DETAIL NOT TO SCALE





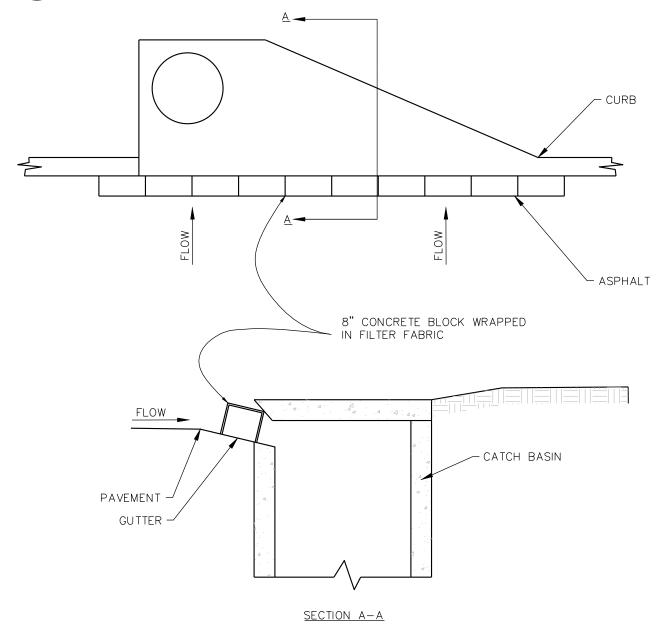


STONE CHECK DAM NOT TO SCALE



NOTE: THE CONSTRUCTION EXIT PAD SHALL BE AT LEAST 50 FEET IN LENGTH, SHALL OCCUPY THE FULL WIDTH OF VEHICLE EGRESS, AND SHALL BE COMPLETELY UNDERLAIN BY SUITABLE GEOTEXTTILE.

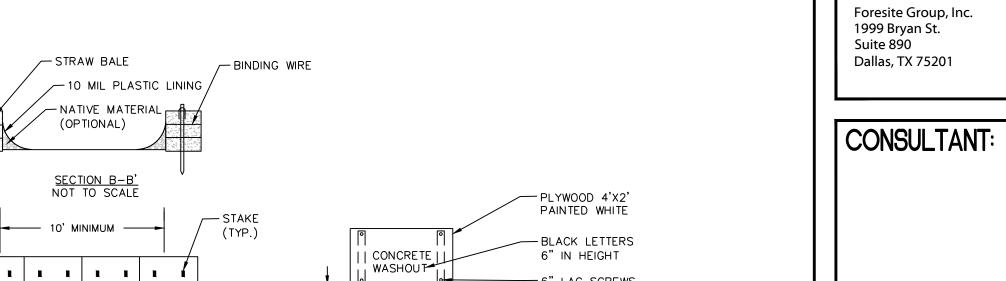
TEMPORARY CONSTRUCTION EXIT NOT TO SCALE

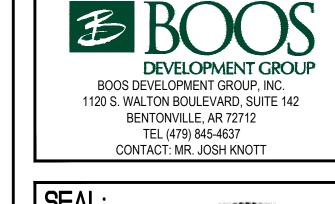


NOTE: INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.

DIMENT TRAP (CURB INLET)

CONCRETE WASH DETAIL





DEVELOPER:

STANDARD 13,225-LEFT

CHAMFER DRIVE-THRU

ROGERS, BENTON CO., ARKANSAS 72756

CS PROJECT NUMBER: 073620

NEW CONSTRUCTION

FEE FOR SERVICE

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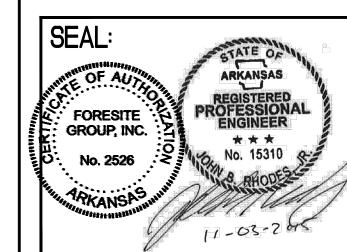
STORE NUMBER:

PROJECT TYPE:

ENGINEER:

DEAL TYPE:

1749 W WALNUT STREET



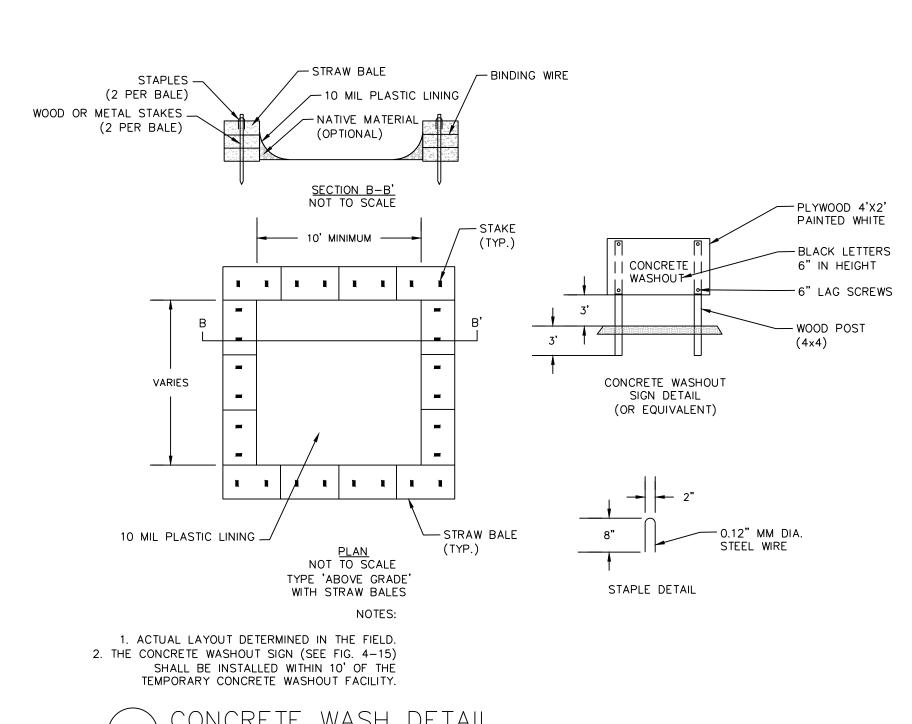
REVISIONS:

DRAWING BY: DATE: 11/13/2015 JOB NUMBER: 163.257

EROSION CONTROL DETAILS SHEET NUMBER:

TITLE:

COMMENTS:



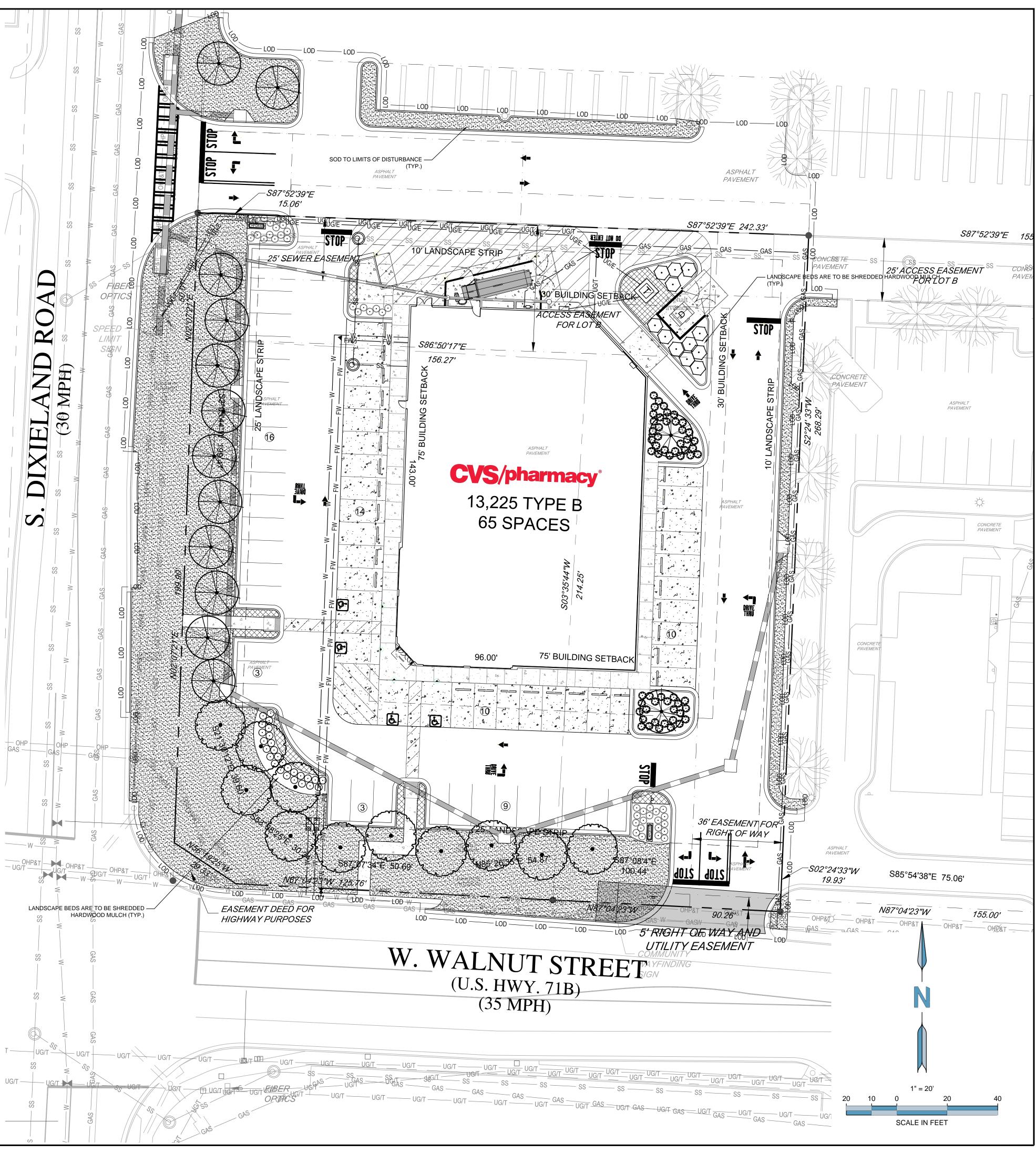


LANDSCAPE CODE REQUIREMENTS AND CALCULATIONS:

- REQUIRED LANDSCAPE AREAS ALONG THE HIGHWAY FRONTAGE SHALL BE NO LESS THAN 25 FEET DEEP EXCLUSIVE OF THE RIGHT-OF-WAY. WITHIN THIS AREA THE DEVELOPER WILL PLANT TREES AT 20-FOOT SPACING FOR THE FULL WIDTH OF THE FRONTAGE. ALL PLANT MATERIALS ON THE SITE MUST MEET THE REQUIREMENTS OF DIVISION 3 OF THIS ARTICLE. TREES PROVIDED AS PART OF THE OVERLAY DISTRICT REQUIREMENT APPLY TOWARD THE MINIMUM PLANT REQUIREMENT OF DIVISION 3 OF THIS ARTICLE. DEVELOPER SHOULD ATTEMPT TO INCORPORATE EXISTING ON-SITE TREES INTO THE LANDSCAPING PLAN AND INDICATE ON PLAN. SEC. 14-285 (5)
- 455 L.F. / 20 L.F. = 23 TREES REQUIRED ALONG FRONTAGE
- TREE SPECIES TO BE PLANTED WITHIN THESE CORRIDORS SHOULD BE CONSISTENT WITH THE RECOMMENDED PLANTS LIST. SEC. 14-285 (8)
- A PERCENTAGE OF THE TOTAL LAND AREA WILL BE DEVOTED TO LANDSCAPING. IF THE TOTAL LAND AREA IS TWO ACRES OR LESS, DEVELOPER MUST PROVIDE EITHER 20 PERCENT GREEN SPACE WITH AT LEAST ONE NEW TREE OR SHRUB MEETING THE PLANT CRITERIA HEREIN FOR EACH 1.000 SQUARE FEET OF THE TOTAL LAND AREA: OR. 15 PERCENT GREEN SPACE WITH ONE TREE OR SHRUB FOR EVERY 500 SQUARE FEET OF TOTAL LAND AREA. TREE SIZE MUST BE INCREASED FROM 21/2-INCH BALL AND BURLAP TO FOUR-INCH BALL AND BURLAP IF 15 PERCENT GREEN SPACE IS PROVIDED. SEC. 14-256 (12)
- SITE = 64,239 S.F. X 20% GREEN SPACE = 12,848 S.F. REQUIRED 15,935 S.F. OF GREEN SPACE PROVIDED EXCEEDS REQUIREMENT
- 64,239 S.F. / 1,000 S.F. = 64 TREES OR SHRUBS REQUIRED IN GREEN SPACE
- CRITERIA FOR PLANT MATERIALS: SEC. 14-256 (14)
- A. AT LEAST ONE NEW TREE OR SHRUB MEETING THE PLANT CRITERIA HEREIN MUST BE PROVIDED FOR EACH 1.000 SQUARE FEET OF THE TOTAL LAND AREA FOR DEVELOPMENTS UP TO TWO ACRES. AT LEAST ONE NEW TREE OR SHRUB MUST BE PROVIDED FOR EACH 2,000 SQUARE FEET OI THE TOTAL LAND AREA FOR DEVELOPMENTS OVER TWO ACRES.
- B. NEW PLANTS MAY BE SELECTED FROM THE RECOMMENDED PLANTS LIST PROVIDED BY THE PLANNING AUTHORITY OFFICE. PLANTS SHOULD BE SELECTED FOR HARDINESS IN LOCAL ZONES. PLANTS SHOULD BE ARRANGED TO FACILITATE GROWTH AND AVOID DAMAGE BY DEVELOPMENT.
- C. DECIDUOUS ORNAMENTAL TREES MUST BE BALLED-AND-BURLAPED, 11/2-INCH CALIPER, MINIMUM. DECIDUOUS SHADE TREES MUST BE
- BALL-AND-BURLAPED, 21/2-INCH CALIPER BY SIX FEET TALL, MINIMUM. SHRUBS ARE TO BE FIVE GALLON SIZE, MINIMUM D. PERENNIALS FROM THE RECOMMENDED PLANTS LIST QUALIFY AS A PLANT SELECTION TO MEET MINIMUM REQUIREMENTS IN THE RATIO OF 20:1. TWENTY PERENNIALS, SIX-INCH POT SIZE, EQUAL ONE TREE OR SHRUB. PERENNIALS QUALIFY AS PLANT SELECTIONS TO A MAXIMUM OF 25
- PERCENT OF THE REQUIRED NUMBER OF PLANTS. E. CREDIT TO THE PLANT REQUIREMENT WILL BE CONSIDERED FOR EXISTING TREES PROVIDED THEY ARE OF A DESIRABLE TYPE, ARE HEALTHY SPECIMENS, THEY CONTRIBUTE TO THE COMPATIBILITY OF THE DEVELOPMENT AND THEY ARE NOT THREATENED BY THE CONSTRUCTION OR PLACEMENT OF THE PROPOSED DEVELOPMENT. QUALIFICATION OR PLACEMENT OF THE PROPOSED PLANT MATERIAL MUST BE VERIFIED WITH THE PLANNING AUTHORITY OFFICE.

GENERAL LANDSCAPE NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF PLANT MATERIAL ACCORDING TO DRAWINGS.
- WARRANTY: ALL PLANTS SHALL BE WARRANTED TO REMAIN ALIVE, HEALTHY, AND IN THRIVING CONDITION FOR A PERIOD OF ONE TO THREE YEARS FROM FINAL ACCEPTANCE
- 3. PLANTS SHALL BE SPECIMEN QUALITY. PLANTS SHALL BE SOUND, HEALTHY AND VIGOROUS, WELL BRANCHED, AND DENSELY FOLIATED WHEN IN LEAF.
- 4. HEIGHT AND SPREAD DIMENSIONS SPECIFIED REFER TO THE MAIN BODY OF THE PLANT AND NOT FROM BRANCH TIP TO TIP. IF A RANGE OF SIZE IS GIVEN, NO PLANT SHALL BE AS LARGE AS THE MAXIMUM SIZE SPECIFIED.
- 5. SHADE TREES SHALL BE STRAIGHT UNLESS OTHERWISE SPECIFIED
- 6. PLANTS SHALL BE SUBJECT TO REVIEW BY OWNER'S REPRESENTATIVE. OWNER'S REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE QUALITY AND ACCEPTABILITY OF MATERIALS AND PLACEMENT.
- PLANTING PLANS INDICATE DIAGRAMMATIC LOCATIONS ONLY. SITE ADJUSTMENTS OF PLANTING DESIGN AND RELOCATION OF PLANT MATERIAL INSTALLED PRIOR TO OWNER REPRESENTATIVE'S APPROVAL SHALL BE DONE WITHOUT PENALTY OR ADDITIONAL COST TO OWNER. STAKE PLANT LOCATIONS AT SITE AND OBTAIN OWNER REPRESENTATIVE'S APPROVAL PRIOR TO PLANT INSTALLATION.
- 8. PLACE PLANTS UPRIGHT AND TURNED SO THAT THE MOST ATTRACTIVE SIDE IS VIEWED.
- 9. BE FAMILIAR WITH UNDERGROUND UTILITIES BEFORE DIGGING. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGE OF UTILITY LINES.
- 10. IF DRAINAGE IS NOT SUFFICIENT NOTIFY OWNER'S REPRESENTATIVE IN WRITING BEFORE INSTALLING PLANTS, OTHERWISE, CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR THE GUARANTEE AND LIVABILITY OF THE PLANT.
- 11. PROVIDE TRENCH EDGING, 7" WIDE AT SHRUB BEDS IN LAWN AREAS UNLESS OTHERWISE NOTED.
- 12. PROVIDE 3" THICKNESS MULCH AT ALL PLANTS AND PLANTING BEDS. MULCH SHALL BE SHREDDED HARDWOOD UNLESS OTHERWISE NOTED.
- 13. MAINTENANCE WORK SHALL BE PERFORMED UNTIL DATE OF FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE.
- 14. FRONDS OR LEAVES: MUST BE OF MEDIUM FOLIAGE, ALL GOOD LEAVES, MAXIMUM OF 10% CHLOROSIS ALLOWED, WITH NO EXTREME SUCCULENCE.
- 15. ROOT SYSTEM: ROOTS MUST BE STURDILY ESTABLISHED IN BALL THAT HAS BEEN TIGHTLY WRAPPED AND SECURELY TIED WITH TWINE OR WIRE, OR
- 16. CONTRACTOR'S PRICES SHALL INCLUDE ALL LABOR AND MATERIAL NECESSARY TO COMPLETE THE WORK, I.E. MULCH, PLANTING, SOIL MIX, WOOD AND WIRE STAKING MATERIAL, ETC.
- 17. WHERE WIRE BASKETS ARE USED ON TREES OR SHRUBS, CUT WIRE BACK TO BASE OF ROOT BALL AND REMOVE FROM PLANTING.
- 18. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWING SHALL BE FURNISHED. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE OWNER'S REPRESENTATIVE ASSUMES NO LIABILITY FOR OMISSION OR ERRORS. HIS ESTIMATES ARE ONLY AN AID FOR CLARIFICATION OF UNITS AND A CHECK FOR THE CONTRACTOR TO COMPARE WITH HIS OWN ESTIMATES. DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF OWNER'S REPRESENTATIVE. NO EXTRA COMPENSATION SHALL BE ALLOWED FOR EXTRA QUANTITIES NECESSARY TO COMPLETE THE WORK.
- 19. WHERE LANDSCAPING AREAS ADJOIN GRASSED RIGHTS-OF-WAY, SUCH AREAS SHALL BE CONSIDERED PART OF THE LANDSCAPED AREA FOR PURPOSES OF MAINTENANCE. AS OF COMPLETION OF SITE IMPROVEMENTS, THE PROPERTY OWNER SHALL HAVE AN IMPLIED EASEMENT OF THE RIGHT-OF-WAY EXTENDING FROM THE SITE TO THE ROAD PAVEMENT IN ORDER TO COMPLETE THE REQUIRED MAINTENANCE.
- 20. A MAINTENANCE INSPECTION OF TREES WILL BE PERFORMED AFTER TWO FULL GROWING SEASONS FROM THE DATE OF THE FINAL CONSTRUCTION INSPECTION. PROJECT OWNERS AT THE TIME OF THE MAINTENANCE INSPECTION ARE RESPONSIBLE FOR ORDINANCE COMPLIANCE.
- 21. CONTRACTOR TO DESIGN-BUILD IRRIGATION SYSTEM.
- 22. STREET TREES AND STREET LIGHTS ARE UNDERSTOOD TO BE REQUIRED AS A PART OF THE PROPOSED DEVELOPMENT. THESE ELEMENTS ARE NOT SHOWN ON THE CURRENT PLAN SET DUE TO THE FACT THAT THE ROADWAY IMPROVEMENT PLANS HAVE NOT BEEN FINALIZED BY THE CITY AT THIS TIME. THE CONTRACTOR SHALL INCLUDE THE INSTALLATION OF THESE ELEMENTS WITHIN HIS BID AND COORDINATE WITH THE CITY FOR THEIR PLACEMENT AND ACCEPTANCE BY THE CITY PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.





CHAMFER DRIVE-THRU

STORE NUMBER:

1749 W WALNUT STREET ROGERS, BENTON CO., ARKANSAS 72756

CS PROJECT NUMBER: 073620

ENGINEER:

PROJECT TYPE:

Foresite Group, Inc. 1999 Bryan St. Suite 890

Dallas, TX 75201

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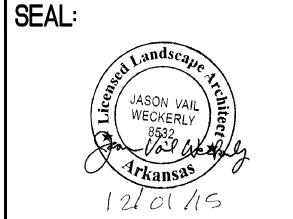
NEW CONSTRUCTION

FEE FOR SERVICE

CONSULTANT:



BOOS DEVELOPMENT GROUP, INC. 1120 S. WALTON BOULEVARD, SUITE 142 BENTONVILLE, AR 72712 TEL (479) 845-4637 CONTACT: MR. JOSH KNOTT



REVISIONS:

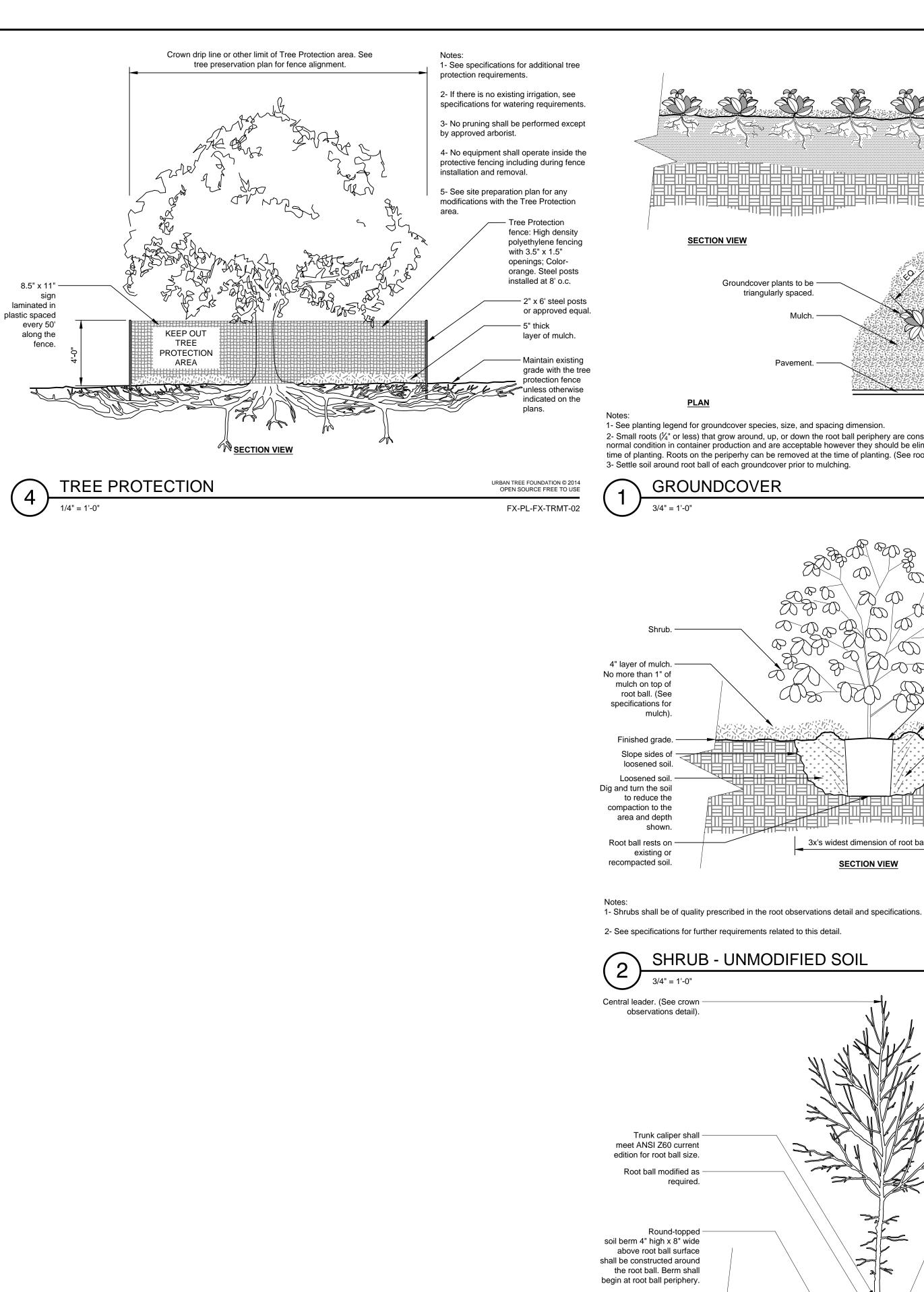
DRAWING BY: DATE: 11/13/2015 JOB NUMBER: 163.257

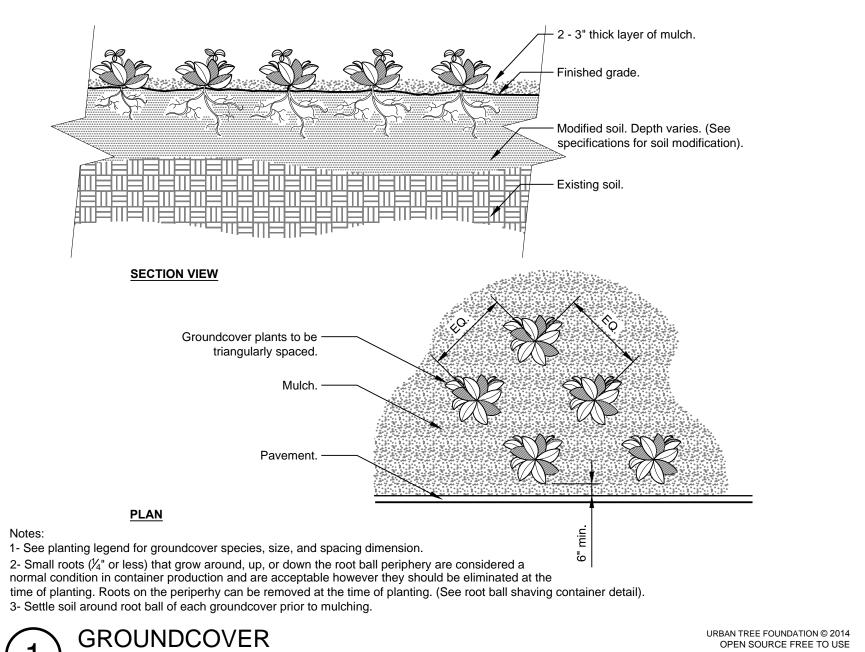
LANDSCAPE PLAN

SHEET NUMBER:

TITLE:

COMMENTS:





3x's widest dimension of root ball.

SECTION VIEW

3x widest dimension of root ball.

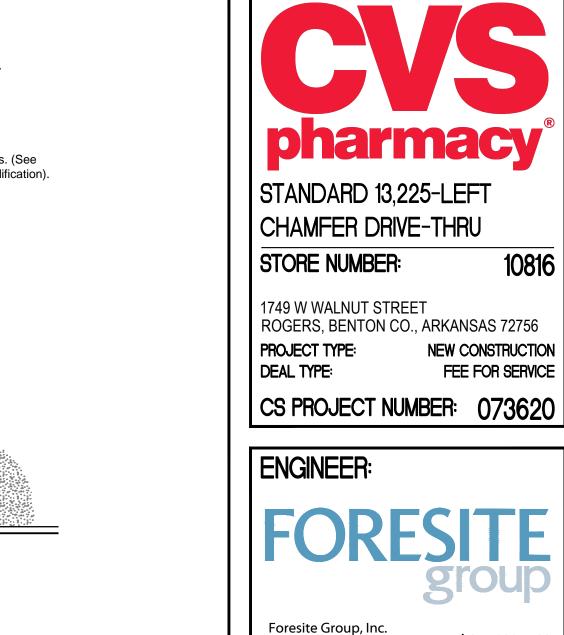
TREE W/ BERM (EXISTING SOIL NOT MODIFIED)

Existing soil. ◀

Slope sides of loosened -

Bottom of root ball rests on -

existing or recompacted



FX-PL-FX-GROU-01

- 4" high x 8" wide round - topped soil

berm above root ball surface shall be

Berm shall begin at root ball periphery.

shrub. Do not over compact. When the planting hole has been backfilled, pour

water around the root ball to settle the

URBAN TREE FOUNDATION © 2014

Top of root ball shall be flush with

Prior to mulching, lightly tamp soil

around the root ball in 6" lifts to

brace tree. Do not over compact.

When the planting hole has been

backfilled, pour water around the root ball to settle the soil.

- Loosened soil. Dig and turn the soil to reduce compaction to the

No more than 1" of mulch on

area and depth shown.

- 4" layer of mulch.

Finished grade.

specifications.

this detail.

top of root ball. (See

specifications for mulch).

1- Trees shall be of quality prescribed in crown

observations and root

observations details and

2- See specifications for further requirements related to

URBAN TREE FOUNDATION © 2014 OPEN SOURCE FREE TO USE

FX-PL-FX-TREE-06

finished grade.

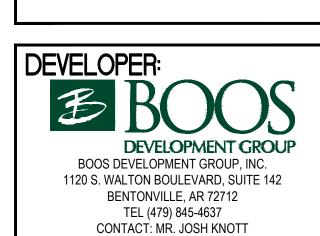
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FX-PL-FX-SHRB-04

constructed around the root ball.

Prior to mulching, lightly tamp soil around the root ball in 6" lifts to brace

Existing soil.



1999 Bryan St.

Dallas, TX 75201

CONSULTANT:

Suite 890

10816

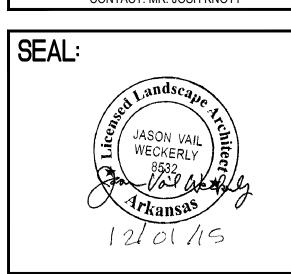
NEW CONSTRUCTION

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140(11)
EVISIONS:

DRAWING BY:	AWP
DATE:	11/13/2015
JOB NUMBER:	163.257
TITLE:	

LANDSCAPE DETAILS

SHEET NUMBER:

COMMENTS: